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ANNUAL SUMMARY OF VITAL STATISTICS

KANSAS 1978

Kansas Department of Health and Environment

ANNUAL SUMMARY

OF VITAL STATISTICS

KANSAS, 1978

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Prepared by the Bureau of
Registration and Health Statistics

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HIGHLIGHTS

Live Births

The Kansas birth rate declined to 15.5 in 1978; representing the first decrease in five years. (Figure 5, p. 26)

Of the 36,581 births in 1978, only 169 (0.5 percent) occurred outside of the hospital setting. (p. 29)

In 1978 out-of-wedlock births to Kansas residents reached 4,183; the highest number recorded in a single year. (Table 4, p. 32)

Birth-Related Mortality

Hebdomadal deaths decreased from 335 in 1977 to 254 in 1978, a decrease of 24.2 percent. (Table 5, p. 42)

Neonatal deaths totaled 302 in 1978, a decrease of 19.0 percent from the 373 recorded in 1977. (Table 1, p. 14)

The Kansas infant death rate reached a record low of 12.0 per thousand live births in 1978. The estimated 1978 infant death rate for the United States was 13.6, or 11.8 percent higher than the Kansas rate. (p. 43)

General Mortality

The Kansas death rate in 1978 remained unchanged from the previous year at 9.1 per thousand population. (Figure 14, p. 49)

Heart disease, cancer, cerebrovascular disease and accidents were the four leading causes of death among Kansans in 1978 and accounted for 72.7 percent of all deaths. (Figure 18, p. 59)

Heart disease, the number one cause of death in Kansas claimed 8,097 lives in 1978 and constituted 37.5 percent of the total number of deaths. (Figure 18, p. 59)

The average age at death of persons dying from suicides and homicides was 43.5 and 37.0, respectively. (Table 8, p. 54)

The Kansas homicide rate was 5.4 per hundred thousand population in 1978, 41.3 percent lower than the estimated national rate of 9.2. (p. 67)

Highlights (cont.)

Marriages

The number of marriages and the marriage rate both increased slightly in Kansas in 1978. The 23,955 marriages performed in Kansas represented a 1.3 percent increase over the 23,673 performed in 1977. The marriage rate increased 1.0 percent from 10.1 to 10.2 marriages per 1,000 population. (p. 71, and Figure 20, p. 70)

More wedding ceremonies were performed in June, the traditional wedding month, than any other month in 1978, with August and July being the second and third most popular months. (p. 74)

Divorces and Annulments

The number of divorces and annulments granted in Kansas were relatively unchanged between 1977 and 1978, increasing only 0.3 percent from 12,629 in 1977 to 12,668 in 1978. The divorce rate of 5.4 per 1,000 population was identical to the 1977 rate. (p. 77, and Figure 20, p. 70)

INTRODUCTION

KANSAS VITAL STATISTICS FOR 1978

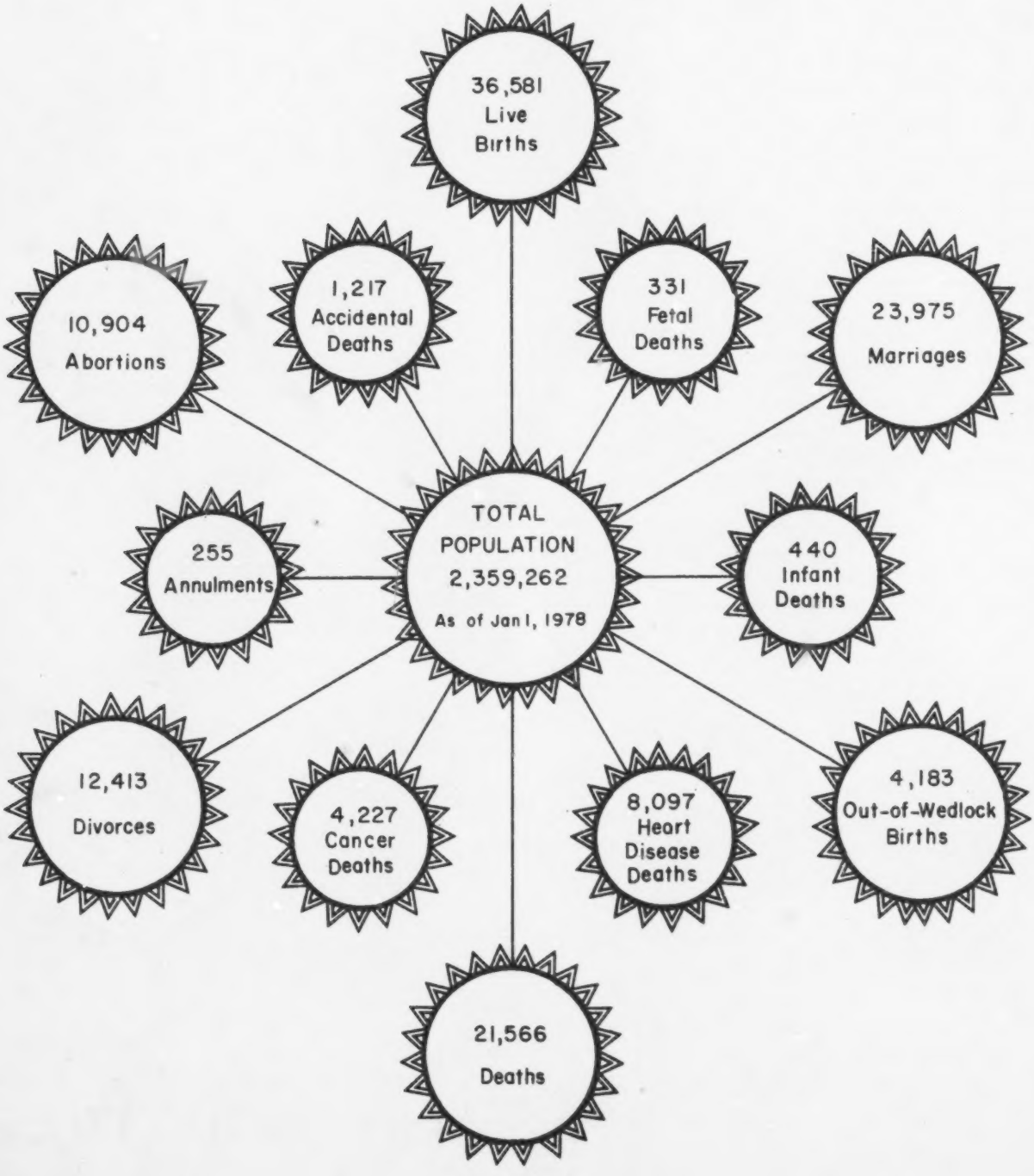


Figure 1

Marriages, divorces, annulments and abortions are displayed above as occurrence data and all other vital statistics represent residence data.

INTRODUCTION

The Bureau of Registration and Health Statistics presents the 1978 edition of the Kansas Annual Summary of Vital Statistics. This report is a summary of data compiled from vital and health records for the 1978 calendar year. The contents include information on population, abortion, and such vital events as live births, fetal deaths, deaths, marriages, divorces and annulments.

Registration

The statewide registration of marriage, birth and death records was initially established as a statutory duty of the Kansas State Board of Health (now the Kansas Department of Health and Environment) in 1885. At that time the law, K.S.A. 65-102, specifically provided that, "The state board of health shall supervise the registration of marriages, births and deaths, and also the registration of forms of disease prevalent in the state; and the secretary of said board shall superintend the registration of the vital statistics of the state." With the establishment of the Division of Vital Statistics (now the Bureau of Registration and Health Statistics) in 1911, systematic filing of the birth and death records at the State level was begun. Registration requirements for marriages and divorces were initiated in 1913 and 1951, respectively. Since registration of vital events began sixty-eight years ago, over six million records have been processed, filed and indexed.

Technical Notes

The information presented in this report includes statistics compiled from records received during 1978 and any delayed 1978 events registered during the first four months of 1979. Certificates which were submitted after that time are considered to be negligible for purposes of annual statistical compilations. Therefore, no adjustments have been made for under-registration.

The data contained in this annual summary is primarily residence data and refers to events happening to Kansas residents (classified by county of usual residence) regardless of where the event occurred. Mother's usual residence is utilized with reference to births and fetal deaths (stillbirths). In many instances abortion information refers to all occurrences within the State; however residence data are occasionally referenced. Marriages, divorces and annulments are occurrence data, for residents and nonresidents, in that marriages are recorded by county of marriage and annulments by county of decree. In many cases annulments have been grouped with divorces for purposes of presentation in this report.

State, county and city population figures utilized throughout the report were obtained from compilations prepared by the State Board of Agriculture from reports by county appraisers. Provisional estimates for vital events in the United States were obtained from the Monthly Vital Statistics Reports, National Center for Health Statistics, United States Department of Health, Education and Welfare.

In many cases rates, in this report are based upon a small number of events and/or a small population. Therefore, care should be exercised in the interpretation of these data as they may not be indicative of actual trends.

Comments and suggestions concerning the contents or general format of this report are welcome and should be directed to the Bureau of Registration and Health Statistics. Since this publication is only a summary, many details which are being tabulated for inclusion in the Bureau's permanent statistical files are not presented. More detailed information may be obtained from the Bureau upon request.

DEFINITIONS

DEFINITIONS

The following terms, formulas and symbols are defined for more meaningful interpretation of the data contained in this report.

TERMS

Abortion: (induced termination of pregnancy)	The purposeful interruption of pregnancy with the intention other than to produce a live-born infant or to remove a dead fetus and which does not result in a live birth.
Birth Weight:	The weight of the fetus or infant at the time of delivery.
Cause of Death:	The underlying cause of death, or that condition giving rise to the chain of events leading to death.
Fetal Death:	The complete expulsion or extraction of a product of human conception from its mother, which weighs more than 350 grams and which is, irrespective of the duration of pregnancy, not a live birth. (Intentionally aborted fetuses which weigh more than 350 grams are not included as fetal deaths in this report.)
Hebdomadal Death:	The death of a liveborn infant which occurs prior to the seventh day of life.
I.C.D.A. Code:	The disease-identifying number classified in the Eight Revision of International Classification of Diseases, Adapted (1968).
Infant Death:	The death of a liveborn infant which occurs within the first year of life.
Live Birth:	The complete expulsion or extraction of a product of human conception from its mother, irrespective of the duration of pregnancy, which, after such expulsion or extraction, shows any evidence of life such as breathing, heart beat, pulsation of the umbilical cord, or voluntary muscle movement, whether or not the umbilical cord has been cut or the placenta attached.

Maternal Death:	The death of a mother caused by complications of pregnancy, childbirth or the puerperium.
Natural Increase:	Live births minus total deaths of a population within a given year.
Neonatal Death:	The death of a liveborn infant which occurs prior to the twenty-eighth day of life.
Net Migration:	The population increase or decrease minus the natural increase.
Occurrence Data:	Vital statistics compiled on the bases of where the vital event actually occurred.
Out-of-Wedlock Birth:	A birth occurring to a mother who is not married at the time of conception, at the time of birth or at any time between conception and birth.
Perinatal Period III Death:	The death of a fetus which weighs more than 350 grams or of a liveborn infant during the hebdomadal period (less than seven days after birth).
Population Density:	The average number of inhabitants per square mile.
Premature Birth:	Birth of an infant weighing 2,500 grams (5 lbs. 8 oz.) or less at the time of birth.
Residence Data:	Vital statistics compiled on the basis of the usual place of residence of the person(s) to whom the vital event occurred.
Total Births:	All live births plus fetal deaths.

RATES AND RATIOS

Abortion Ratio:	$\frac{\text{induced abortions}}{\text{live births}}$	X 1,000
Birth Rate:	$\frac{\text{live births}}{\text{total population}}$	X 1,000
Death Rate:	$\frac{\text{total deaths}}{\text{total population}}$	X 1,000
Disease-Specific Death Rate:	$\frac{\text{disease-specific deaths}}{\text{total population}}$	X 100,000

Divorce Rate:	$\frac{\text{divorces}}{\text{total population}}$	X	1,000
Divorce and Annulment Rate:	$\frac{\text{divorces and annulments}}{\text{total population}}$	X	1,000
Fertility Rate:	$\frac{\text{live births}}{\text{female population 15-44}}$	X	1,000
Fetal Death Rate:	$\frac{\text{fetal deaths}}{\text{total births}}$	X	1,000
Hebdomadal Death Rate:	$\frac{\text{hebdomadal deaths}}{\text{live births}}$	X	1,000
Infant Death Rate:	$\frac{\text{infant deaths}}{\text{live births}}$	X	1,000
Marriage Rate:	$\frac{\text{marriages}}{\text{total population}}$	X	1,000
Maternal Death Rate:	$\frac{\text{maternal deaths}}{\text{live births}}$	X	10,000
Natural Increase Rate:	$\frac{\text{live births minus total deaths}}{\text{total population}}$	X	1,000
Neonatal Death Rate:	$\frac{\text{neonatal deaths}}{\text{live births}}$	X	1,000
Net Migration Rate:	$\frac{\text{net migration}}{\text{total population}}$	X	1,000
Out-of-Wedlock Birth Ratio:	$\frac{\text{out-of-wedlock births}}{\text{live births}}$	X	100
Perinatal Period III Death Rate:	$\frac{\text{Perinatal Period III deaths}}{\text{total births}}$	X	1,000
Premature Birth Ratio:	$\frac{\text{premature births}}{\text{live births}}$	X	100

SYMBOLS AND ABBREVIATIONS

n.s.	not stated
n.a.	not available
n/a	not applicable
-	quantity zero
0.0	quantity or percent more than zero but less than 0.05.
...	rate or percent not applicable
*	rate, ratio, or percent does not meet statistical standards of precision or reliability (designated whenever the denominator is less than 100).

SUMMARY OF VITAL EVENTS

Table 1
Vital Events and Percent Change
Kansas, 1978, 1977 and 1968

Vital Event	1978	1977	Percent Change 1977 to 1978	1968	Percent Change 1968 to 1978
Total Births	36,912	37,135	- 0.6	35,889	+ 2.9
Live Births	36,581	36,827	- 0.7	35,496	+ 3.1
Premature	2,309	2,412	- 4.3	2,533	- 8.8
Out-of-wedlock	4,183	3,873	+ 8.0	2,328	+79.7
Fetal Deaths	331	308	+ 7.5	393	-15.8
Total Deaths	21,566	21,271	+ 1.4	22,386	- 3.7
Perinatal Deaths ...	585	643	- 9.0	887	-34.0
Hebdomadal Deaths ...	254	335	-24.2	494	-48.6
Neonatal Deaths	302	373	-19.0	543	-44.4
Infant Deaths	440	480	- 8.3	695	-36.7
Maternal Deaths	8	4	*	9	*
Marriages	23,975	23,673	+ 1.3	21,748	10.2
Divorces	12,413	12,349	+ 0.5	6,941	+78.8
Annulment	255	280	- 8.9	203	+25.6

Residence data are presented for births and deaths.
Occurrence data are presented for marriages, divorces and annulments.

SUMMARY OF VITAL EVENTS

Registration of Kansas vital events (live births, total deaths, fetal deaths, marriages, divorces and annulments) increased slightly from 94,708 in 1977 to 95,121 in 1978, an increase of 0.4 percent. All of these vital events increased between 1977 and 1978, except for live births and annulments. Table 1 compares these vital events of 1978 with those of 1977 and 1968.

The largest percentage changes between 1977 and 1978 were a 24.2 percent decline in the number of hebdomadal deaths and a 19.0 percent decline in the number of neonatal deaths. These two categories declined by 48.6 percent and 44.4 percent respectively from 1968 to 1978. In contrast, the number of out-of-wedlock births has increased by 79.7 percent and the number of divorces has increased by 78.8 percent from 1968 to 1978.

Another method of examining trends in vital events is the comparison of rates from year to year. Table 2 examines these rates (rate computations are described on pages 10 and 11) from 1968 to 1978 and the rates are graphically presented in Figure 2.

The live birth rate declined in 1978, following four successive years of increases. Upon reaching 10.0 in 1969, the total death rate gradually decreased to 9.1 in 1977 and 1978. The marriage rate was 10.2 per thousand population in 1978 and has remained between 10.1 and 10.3 since 1974. Although the divorce and annulment rate has been rising since 1968, the rate declined slightly from the record high of 5.5 in 1976 to 5.4 per 1,000 population in 1977 and 1978.

Infant, hebdomadal and neonatal death rates dropped dramatically in 1978. Fetal deaths, after dropping to a low of 8.3 in 1977, rose to 9.0 in 1978. After reaching a low of 0.3 in 1976, the maternal death rate increased to 2.2 in 1978.

The remainder of this report elaborates on each of these vital events, summarizing the data from 1978 vital and health records, depicting trends and comparing Kansas events with those for the United States where appropriate.

Table 2
Vital Events by Number and Rate*
Kansas, 1968-1978

Vital Event	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978
Live Births											
Number	35,496	37,172	38,215	36,006	33,176	31,972	32,712	33,707	35,278	36,827	36,581
Rate	15.7	16.3	17.0	16.0	14.6	13.9	14.2	14.6	15.2	15.7	15.5
Fetal Deaths											
Number	393	456	423	380	375	355	379	341	364	308	331
Rate	11.0	12.1	10.9	10.4	11.2	11.0	11.4	10.0	10.2	8.3	9.0
Hebdomadal Deaths											
Number	494	480	477	506	410	342	354	304	310	335	254
Rate	13.9	12.9	12.5	14.1	12.4	10.7	10.8	9.0	8.8	9.1	6.9
Perinatal Period III Deaths											
Number	887	936	900	886	785	697	733	645	674	643	585
Rate	24.7	24.9	23.3	24.3	23.4	21.5	22.1	18.9	18.9	17.3	15.8
Neonatal Deaths											
Number	543	524	524	553	441	374	393	341	365	373	302
Rate	15.3	14.1	13.7	15.4	13.3	11.7	12.0	10.1	10.3	10.1	8.3
Infant Deaths											
Number	695	684	675	697	570	496	581	468	492	480	440
Rate	19.6	18.4	17.7	19.4	17.2	15.5	15.7	13.9	13.9	13.0	12.0
Maternal Deaths											
Number	9	5	5	7	2	5	6	6	1	4	8
Rate	2.5	1.3	1.3	1.9	0.6	1.6	1.8	1.8	0.3	1.1	2.2
Total Deaths											
Number	22,386	22,822	21,851	22,182	22,335	22,725	22,156	21,726	21,780	21,271	21,566
Rate	9.9	10.0	9.7	9.9	9.8	9.9	9.6	9.4	9.4	9.1	9.1
Marriages											
Number	21,748	22,304	22,421	22,528	23,879	24,592	24,491	23,767	23,559	23,673	23,975
Rate	9.6	9.8	10.0	10.0	10.5	10.7	10.6	10.3	10.1	10.1	10.2
Divorces and Annulments											
Number	7,144	7,956	8,785	9,461	9,925	10,472	11,484	12,561	12,833	12,629	12,668
Rate	3.2	3.5	3.9	4.2	4.4	4.6	5.0	5.4	5.5	5.4	5.4

*Rate computations are explained on pages 10 and 11.
Residence data are presented for births and deaths.
Occurrence data are presented for marriages, divorces and annulments.

SELECTED VITAL EVENT RATES
KANSAS, 1968-1978

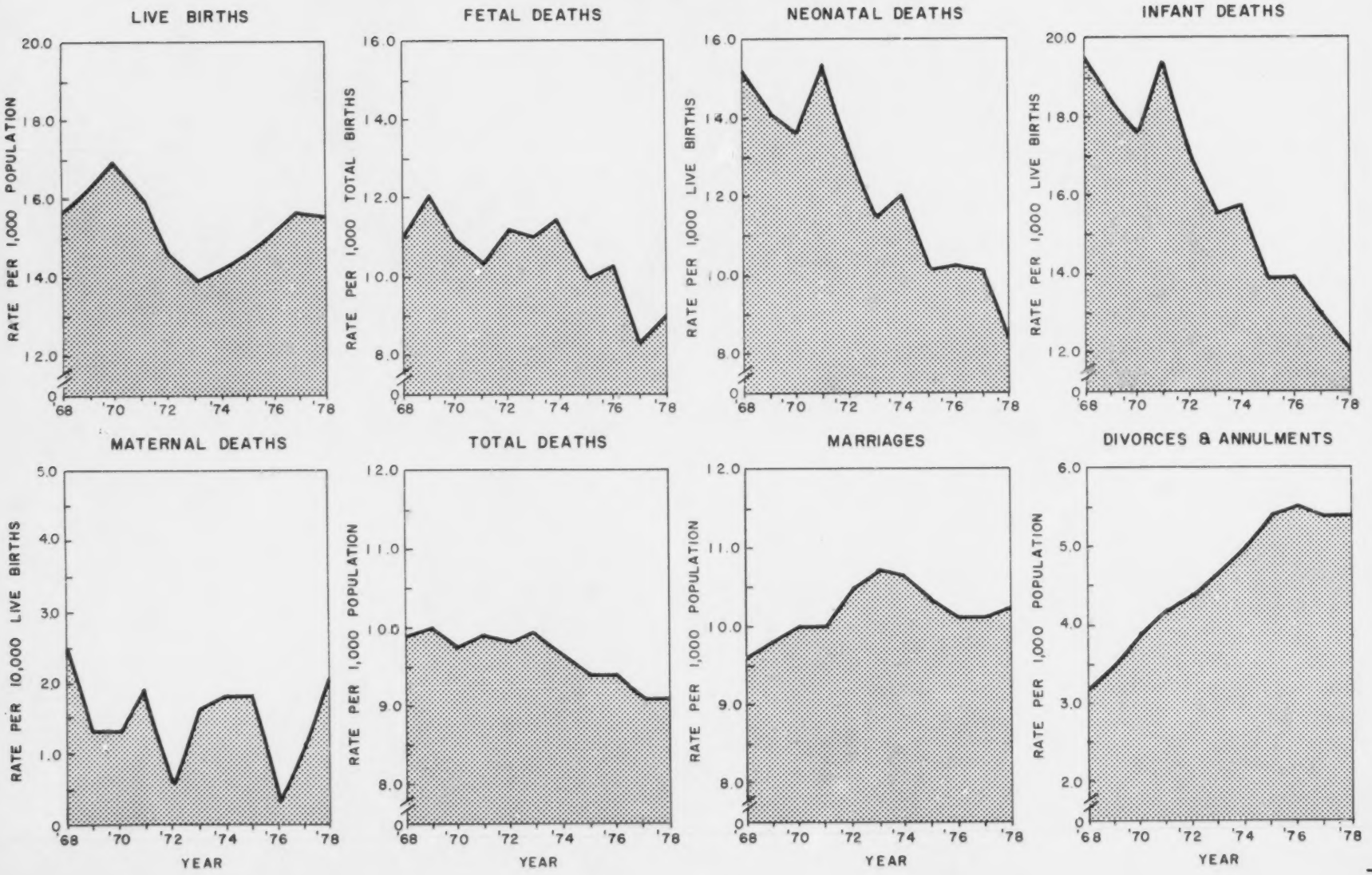
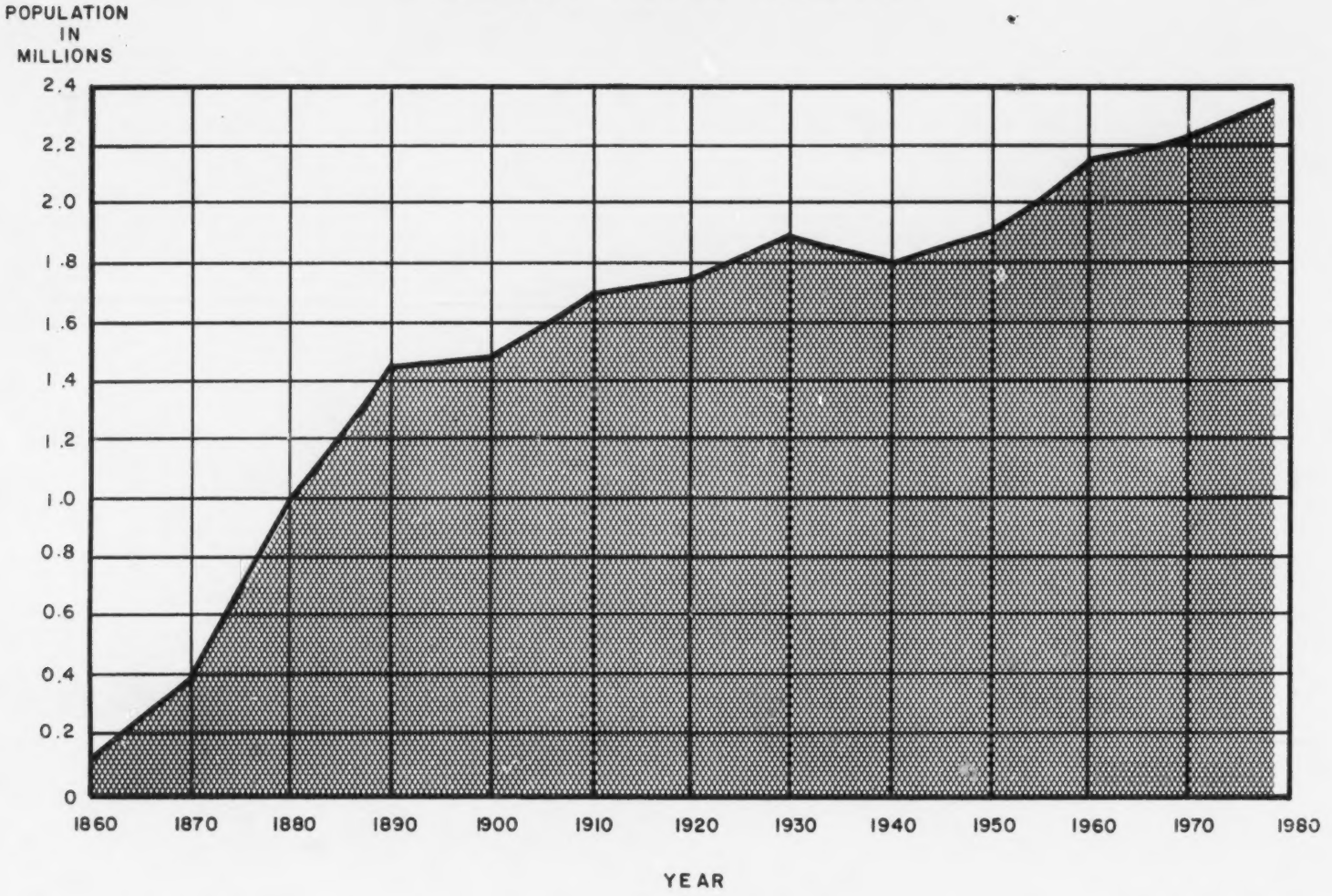


Figure 2

POPULATION

POPULATION GROWTH IN KANSAS
SELECTED YEARS, 1860-1978



Sources of Population Counts: United States Bureau of the Census (1970)
Kansas Board of Agriculture/County Appraisers (all other years)

Figure 3

POPULATION

On January 1, 1978 the population of Kansas was 2,359,262. This figure represents a compilation of reports to the State Board of Agriculture by county appraisers and is an increase of 18,001 or 0.8 percent, over that reported for January 1, 1977.

As depicted in Figure 3, Kansas experienced its greatest population growth during the second half of the nineteenth century. During the thirty-year period from 1860 to 1890 population increased thirteen-fold. The next thirty years demonstrated slower growth, increasing by less than two-fold from 1890 to 1920. The reduction in the birth rate and the increase in out-migration during the Depression Years of the 1930's resulted in a decrease in total population of almost four percent. Population began increasing again with the onset of World War II. The economic prosperity of the Fifties and the ensuing "Baby Boom" were reflected in a population increase of almost 12 percent from 1950 to 1960. Slowed growth was again exhibited during the Sixties when population increased 5.6 percent during that decade. Over the past eight years the population has increased only 4.9 percent from a total of 2,249,071 in 1970 to the present total of 2,359,262 in 1978. Population counts, as well as annual increases or decreases for the past thirty years are shown in Table 3. (County population totals, 1974 to 1978, are given in Appendix Table 22.)

Natural Increase and Net Migration

The combined factors of the natural increase (live births minus total deaths) and net migration (actual population increase or decrease minus the natural increase) determine population growth. The annual natural increase and net migration from 1949 to 1978 are exhibited in Table 3. The highest natural increase during the period was 34,319 in 1954, which represents a natural increase rate of 17.2 per thousand population. After a general downward trend in the years that followed, the natural increase again began rising in 1974 and the 1978 natural increase was 15,015. The natural increase rate decreased 3.0 percent from 6.6 per thousand population in 1977 to 6.4 in 1978. Net migration, on the other hand, has been less predictable, with sudden large fluctuations in out-migration. Considerable out-migration occurred from 1955 to 1964. The net migration for 1978 was not available at the time of publication.

Table 3
Population, Natural Increase and Net Migration
Kansas, 1949-1978

Year	Population*	Population Increase or Decrease During Year	Natural Increase	Net Migration
1978. . . .	2,359,262	n.a.	15,015	n.a.
1977. . . .	2,341,261	18,001	15,556	2,445
1976. . . .	2,327,471	13,790	13,498	292
1975. . . .	2,314,479	12,992	11,981	1,011
1974. . . .	2,299,220	15,259	10,556	4,703
1973. . . .	2,301,623	- 2,403	9,247	-11,650
1972. . . .	2,277,905	23,718	10,841	12,877
1971. . . .	2,249,248	28,657	13,824	14,833
1970. . . .	2,249,071	177	16,364	-16,187
1969. . . .	2,287,302	-38,231	14,350	52,581
1968. . . .	2,265,170	22,132	13,110	9,022
1967. . . .	2,236,750	28,420	13,196	15,224
1966. . . .	2,220,362	16,388	14,192	2,196
1965. . . .	2,197,815	22,547	17,516	5,031
1964. . . .	2,180,533	17,282	21,649	- 4,367
1963. . . .	2,172,296	8,237	23,804	-15,567
1962. . . .	2,165,009	7,287	27,001	-19,714
1961. . . .	2,146,154	18,855	28,940	-10,085
1960. . . .	2,130,579	15,575	29,621	-14,046
1959. . . .	2,115,441	15,138	31,891	-16,753
1958. . . .	2,100,665	14,776	31,401	-16,625
1957. . . .	2,081,654	19,011	32,706	-13,695
1956. . . .	2,077,711	3,943	33,408	-29,465
1955. . . .	2,050,478	27,233	33,878	-6,645
1954. . . .	1,999,457	51,021	34,319	16,702
1953. . . .	1,965,112	34,345	32,598	1,747
1952. . . .	1,980,073	-14,961	30,389	-45,350
1951. . . .	1,942,060	38,013	28,262	9,751
1950. . . .	1,904,584	37,746	24,906	-12.840
1949. . . .	1,912,445	- 7,861	24,955	-32,816

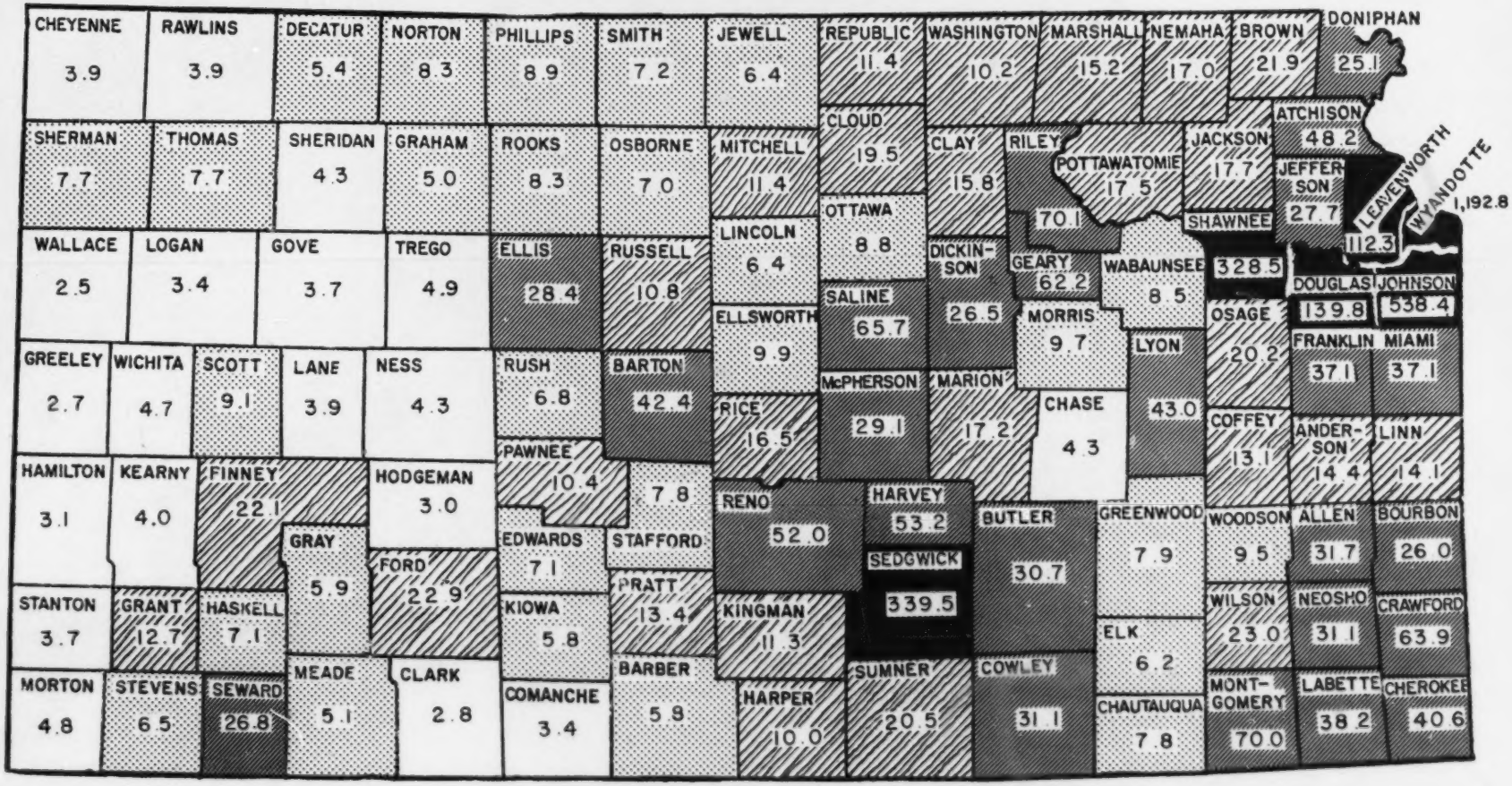
*Sources : Kansas Board of Agriculture (county appraiser reports)
U.S. Bureau of the Census (1970 only)

Population Density

The total land area of the State of Kansas is 81,795 square miles. The population density of the State, or the average number of inhabitants per square mile in 1978, was 28.8 as compared with 28.6 in 1977 and 28.4 in 1976.

As illustrated in Figure 4, the population density varied considerably among counties. In 1978, 19 of Kansas' 105 counties had population densities of less than 5.0. These counties were predominantly in the Western portion of the State.

POPULATION DENSITY BY COUNTY
KANSAS, 1978



STATE POPULATION DENSITY: 28.8

Sources: Land area for each county obtained from the 1970 U. S. Census of Population. Population figures for 1978 were from the Kansas State Board of Agriculture

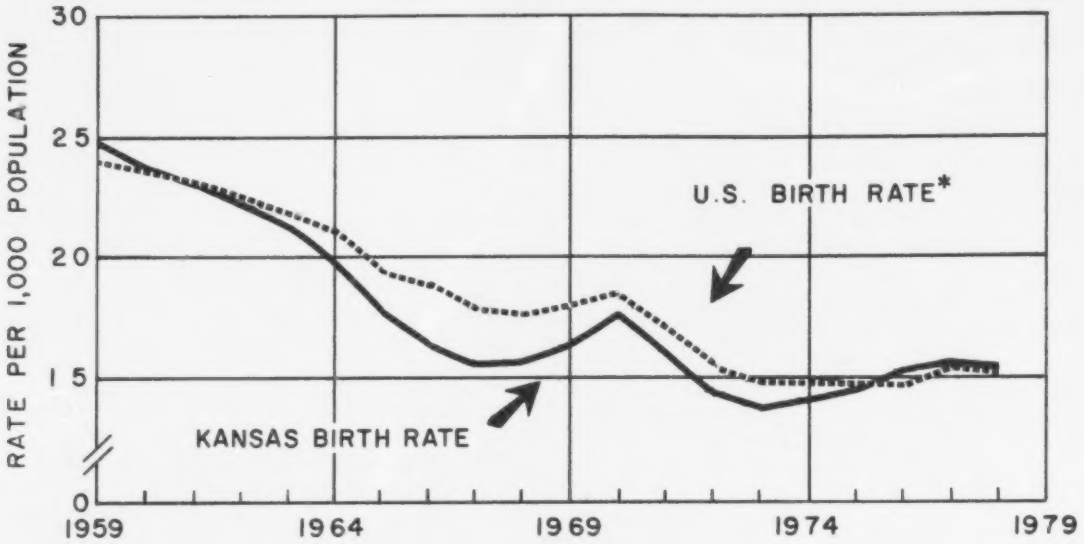
INHABITANTS PER SQUARE MILE

2.0 50 100 25.0 1000 1,192.8

Figure 4

LIVE BIRTHS

BIRTH RATES
KANSAS AND THE UNITED STATES, 1959-1978



*1978 United States birth rate represents provisional data from the National Center for Health Statistics.
Residence data.

Figure 5

LIVE BIRTHS

During 1978, 36,581 live births were recorded for mothers with Kansas residency, representing a birth rate of 15.5 per 1,000 population. These figures reflect both a numerical decrease of 0.7 percent below the 36,827 live births in 1977 and a rate decrease of 1.3 percent below the 1977 rate of 15.7.

Trends

Kansas birth rates and fertility rates have followed a pattern similar to national birth and fertility rates during the past twenty years. Illustrated in Figures 5 and 6 are comparisons of Kansas birth rates and fertility rates with those of the United States.

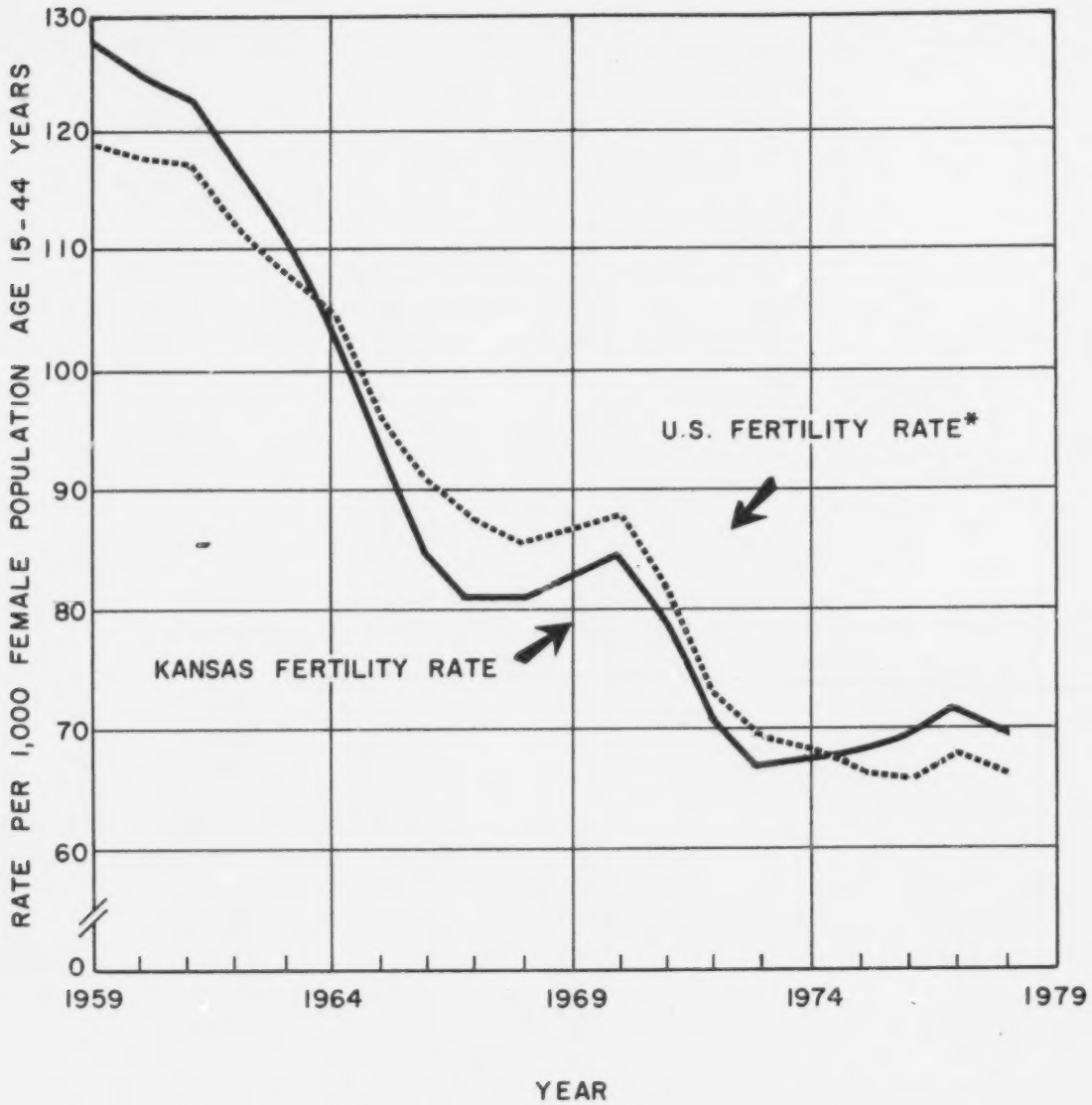
The Kansas birth rate was 24.8 in 1959, 3.3 percent above the national rate of 24.0. Following 1959, the Kansas birth rate dropped for eight consecutive years. After reaching a low of 15.6 in 1967, the Kansas birth rate turned upward slightly in the late 1960's and 1970. After another short-term decline of three years, the Kansas birth rate reached a new low of 13.9 in 1973. In 1978, Kansas experienced a decreased birth rate for the first time in five years. (The number of births and birth rates from 1974-1978 for each Kansas county are given in Appendix Table 23.)

The Kansas fertility rate was at a high of 128.7 in 1959, 8.3 percent above the national rate of 118.8. Following 1959, the fertility rate began to drop and did so for eight consecutive years. After a short-term increase in 1969 and 1970, the fertility rate declined for three years. Kansas, in 1978, experienced a decreased fertility rate for the first time in five years.

Sex of Infant, Race and Plurality

Since birth information was first recorded in Kansas in 1915, the percent distribution of live births has remained relatively constant for males and females. In 1915, the percentage breakdown for male and female live births was 51.6 percent and 48.4 percent, respectively. As outlined below, the distribution in 1978 was nearly identical, with 51.3 percent of the live births recorded as males and 48.7 percent as females, although the distribution did vary somewhat by race.

FERTILITY RATES
KANSAS AND THE UNITED STATES, 1959-1978



*1978 United States fertility rate represents provisional data from the National Center for Health Statistics.

Residence data.

Figure 6

Live Births: Distribution by Race of Mother by Sex of Infant

Race of Mother	Live Births	Sex of Infant	
		Male	Female
Total	36,581	18,771	17,810
White	33,277	17,098	16,179
Black	2,691	1,370	1,321
Other Races ...	588	290	298
N.S.	25	13	12

White mothers gave birth to 91.0 percent of the liveborn infants. Another 7.4 percent of the mothers were Black and other races represented 1.6 percent of the live births.

In 1978, a total of 661 live births, only 1.8 percent, represented multiple births, while a total of 35,920 single births were recorded. Of the 661 multiple births, 652 were from twin births and 9 were of triplet births.

Birth Order

First births accounted for 41.7 percent of all live births in 1978. Second-born infants represented 33.8 percent and third births, 15.2 percent. The number and percent of live births by order of birth is presented below:

Live Births: Number and Percent by Birth Order

Birth Order	Number	Percent
Total	36,581	100.0
First	15,268	41.7
Second	12,346	33.8
Third	5,561	15.2
Fourth	2,034	5.6
Fifth	692	1.9
Sixth	348	1.0
Seventh	163	0.4
Eighth	87	0.2
Ninth	30	0.1
Tenth and Over ..	52	0.1

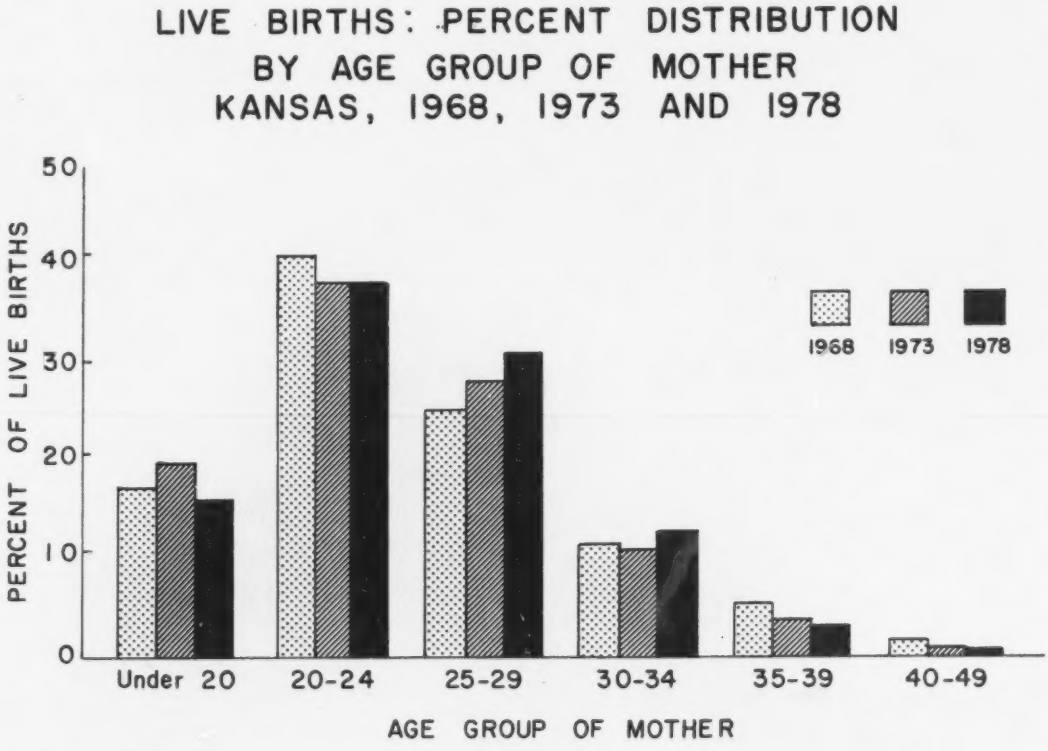
Institution of Birth and Attendant

The number of deliveries which are performed in hospitals has increased dramatically through the years. For example, in 1938, 45.1 percent of all live births occurred in a hospital. Forty years later, in 1978, only 169 of the 36,581 live births occurred outside of the hospital setting, a mere 0.5 percent.

Another factor which may affect both maternal and infant health is whether or not the attendant is present at the time of birth. Unlike the institution of birth this factor has remained consistent for forty years. In 1938, 99.8 percent of the births were physicians' deliveries. By 1978, the situation was virtually unchanged--99.4 percent of the births were attended by a physician.

Parental Age

The average maternal age in 1978 was 24.5 years, while the average paternal age was 27.2 years. Figure 7 shows the changing pattern in the distribution of births by maternal age for 1968, 1973 and 1978.



Residence data.

Figure 7

The ages from 20 to 24 were the most popular child-bearing ages in 1968, 1973 and 1978. During the same time frame, however, there was a gradual increase in the proportion of child-bearing women between 25 and 29. There was also a downward trend in the proportion of child-bearing women in the two older age groups between 1968 and 1978. (Live Births by county of maternal residence and age group are shown in Appendix Table 24.)

Birth Weight and Premature Births

Birth weights are classified as low, normal or heavy according to the gram limits outlined in Table 4. Ninety-two (91.8) percent of the live births in 1978 were of normal weight, between 2,501 and 4,500 grams. Babies weighing over 4,500 grams constituted only 1.8 percent of the live births.

Low birth weight babies of 2,500 grams or less is the weight category generally considered the most critical in regard to infant survival chances. This comprises those deliveries herein referred to as premature births. The 2,309 premature births in 1978 accounted for 6.3 percent of all live births. The number of premature births for mothers in each age group, percent distribution and age-specific premature birth ratios (premature births as a percent of all live births within an age group) are shown in Table 4.

The age of the mother is an important factor influencing the birth weight of the baby. In 1978, mothers 20 to 24 years of age accounted for the largest percentage (39.0) of the premature births; followed by 25.2 percent accounted for by mothers 25-29 years of age. A somewhat more reliable indicator of the tendency for child-bearing women in a particular age group to have premature births is the age-specific premature birth ratio. The largest age-specific premature birth ratio was 9.0 percent of the births for mothers 15-19 years of age in 1978, followed by 6.5 percent of the births for mothers 20-24 years of age.

Out-of-Wedlock Births

In 1978, the number of out-of-wedlock births to Kansas residents reached a record high of 4,183, reflecting an eight percent increase over the 1977 total of 3,873. These out-of-wedlock births represented 11.4 percent of all live births in 1978.

Although the out-of-wedlock birth ratio in Kansas was below the national ratio from 1958 to 1978 (Figure 8), the increasing trend in the out-of-wedlock birth ratio in Kansas was somewhat similar to the upward trend throughout the United States during the twenty-year period.

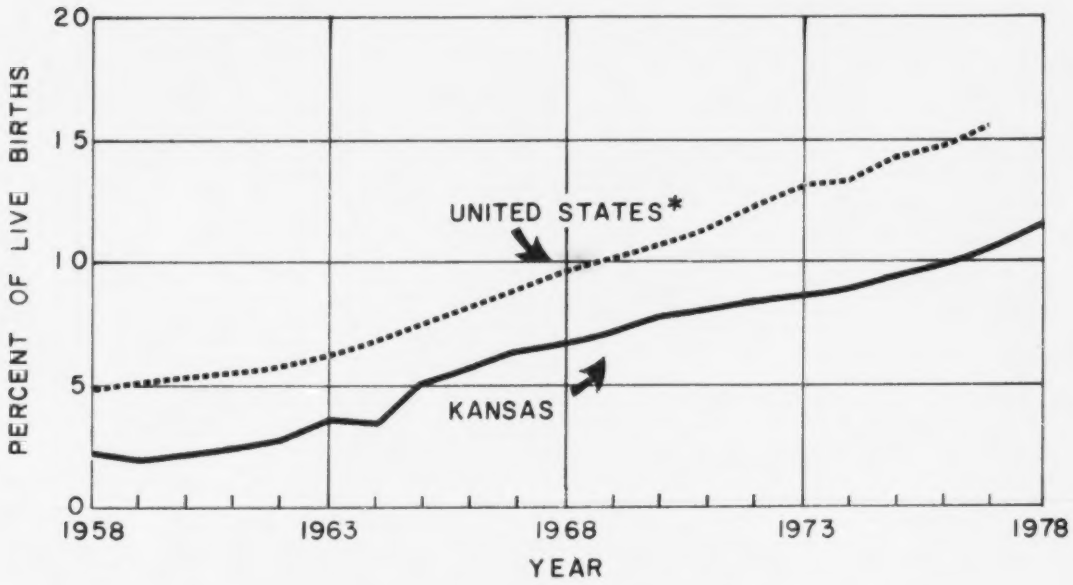
The number of out-of-wedlock births to mothers in each age group in 1978, percent distribution and age-specific out-of-wedlock birth ratios, or the out-of-wedlock births as a percent of all live births within an age group, are shown in Table 4. (Out-of-wedlock births by maternal county of residence by maternal age group are given in Appendix Table 25.)

Table 4
Live Births by Age Group of Mother, by Selected Characteristics
Kansas, 1978

Age Group of Mother	Total	Selected Characteristics of Live Births									
		Birth Weight (Grams)				Premature Births			Out-of-Wedlock Births		
		Under 2,501 (Low)	2,501 - 4,500 (Normal)	Over 4,500 (Heavy)	Not Stated	Number	Percent	Age-Specific Ratio	Number	Percent	Age-Specific Ratio
All Ages ..	36,581	2,309	33,576	674	22	2,309	100.0	...	4,183	100.0	...
10-14.....	72	10	62	-	-	10	0.4	*	64	1.5	*
15-19.....	5,747	518	5,174	51	4	518	22.4	9.0	1,978	47.3	34.4
20-24.....	13,936	899	12,829	202	6	899	39.0	6.5	1,465	35.0	10.5
25-29.....	11,168	582	10,349	228	9	582	25.2	5.2	458	11.0	4.1
30-34.....	4,416	223	4,049	141	3	223	9.7	5.0	158	3.8	3.6
35-39.....	1,061	63	955	43	-	63	2.7	5.9	55	1.3	5.2
40-44.....	165	10	147	8	-	10	0.4	6.1	5	0.1	3.0
45-49.....	16	4	11	1	-	4	0.2	*	-	-	*

Residence data.

OUT-OF-WEDLOCK BIRTH RATIOS KANSAS AND THE UNITED STATES, 1958-1978



*1978 data from the National Center for Health Statistics not available at the time of publication. Residence data.

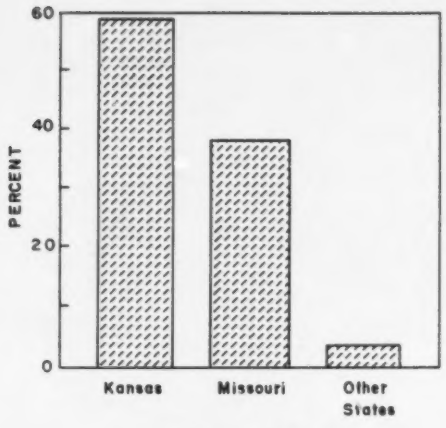
Figure 8

Of the total number of live births to mothers under 20, 35.1 percent were out-of-wedlock. Further, nearly half of the out-of-wedlock births (48.8 percent) were to mothers under 20.

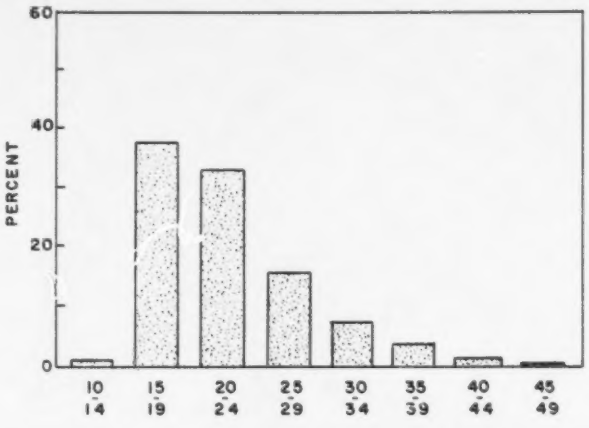
Age-specific out-of-wedlock birth ratios reveal that 34.4 percent of the births to mothers 15 to 19 years of age were out-of-wedlock in 1978. The ratio dropped to 10.5 percent with the next age group, 20-24 years.

BIRTH-RELATED MORTALITY

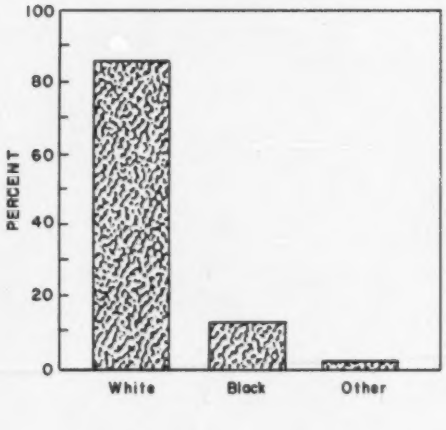
INDUCED ABORTIONS REPORTED IN KANSAS BY SELECTED CHARACTERISTICS 1978



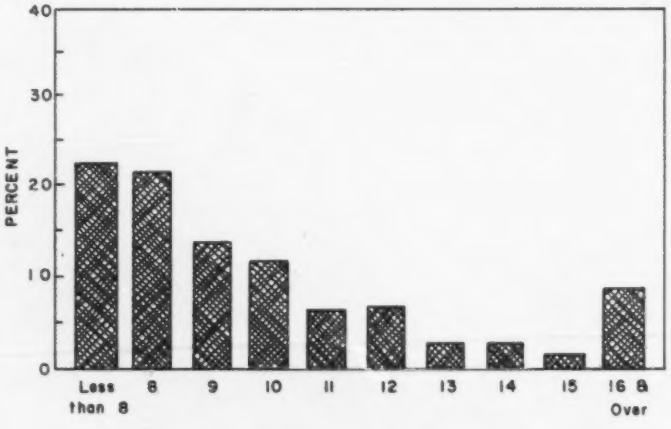
RESIDENCE OF PATIENT



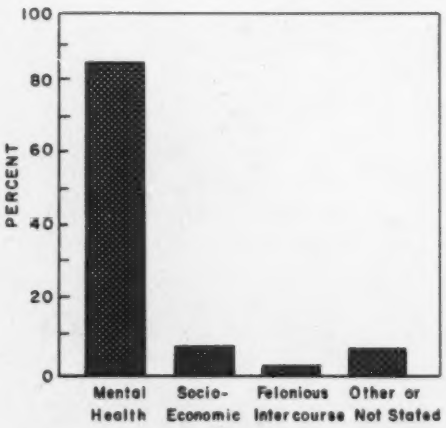
AGE GROUP OF PATIENT



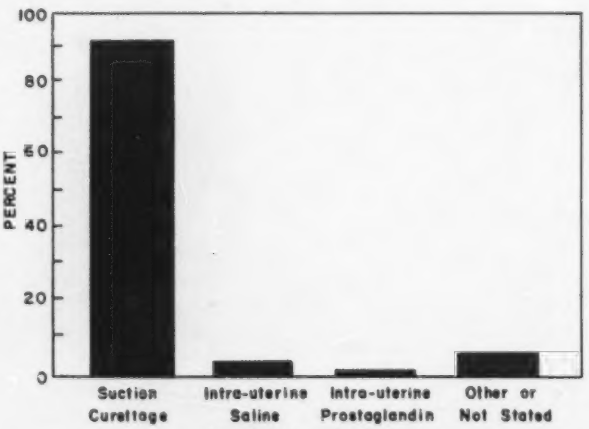
RACE OF PATIENT



WEEKS GESTATION



PRIMARY INDICATION FOR ABORTION



METHOD OF ABORTION

Occurrence data.

Figure 9

BIRTH-RELATED MORTALITY

This section examines mortality as it relates to pregnancy, childbirth, and infancy. For discussion purposes it is subdivided into five subdivisions: (1) induced abortions; (2) fetal deaths (stillbirths); (3) Perinatal Period III mortality; (4) infant deaths; and (5) maternal deaths.

INDUCED ABORTIONS

The Kansas liberalized abortion law was enacted in July, 1970, and from that time through 1978, 92,216 abortions were reported in Kansas. There were 10,904 abortions reported in Kansas in 1978.

The number of abortions reported in Kansas from 1971 to 1978 are shown below. The general downward trend in the number of abortions reported in Kansas after 1973 is attributable to the reduction in the number of out-of-state residents having abortions performed in Kansas since the 1973 United States Supreme Court ruling which legalized abortion in all states.

Number of Abortions Reported in Kansas by Year

Year	Number
1978.....	10,904
1977.....	10,898
1976.....	11,597
1975.....	10,860
1974.....	10,871
1973.....	12,612
1972.....	12,248
1971.....	9,472

Summary statistics are available only for those 9,740 abortions reported by hospitals and clinics participating in our abortion reporting system during 1978. Selected characteristics of these 9,740 abortions are illustrated in Figure 9.

Residency: In 1978, 5,722 abortions or 58.8 percent of the 9,740 reported in the State, were performed for Kansas residents. Of the 4,018 nonresidents who had abortions in Kansas, 92.6 percent (3,722) were Missouri residents. Residents from other states included those from Oklahoma (131), Illinois (34), Arkansas (24), Iowa (15) and Nebraska (12). Nineteen patients represented other states and residence was not stated in sixty-one cases. (Induced abortions by county of residence and age group of patient in 1978 are given in Appendix Table 26.)

Age of Patient: Most reported abortions were performed in the 15-19 and 20-24 age groups as shown in Figure 9. Enumerated below are residence data for the number of abortions by age group of patient, percent distribution and age-specific abortion ratios (number of abortions reported per thousand live births for a given age group.)

Abortions: Distribution by Age Group of Patient and Age-Specific Ratio

Age Group	Number	Percent	Ratio**
Total	5,722	100.0	***
10-14.	51	0.9	*
15-19.	2,127	37.2	370.1
20-24.	1,903	33.3	136.6
25-29.	868	15.2	77.7
30-34.	441	7.7	99.9
35-39.	231	4.0	217.7
40-44.	83	1.4	503.0
45-49.	10	0.2	*
N.S.	8	0.1	...

**Age-specific abortion ratios are expressed as the number of abortions per 1,000 live births for a given age group.

Race: Most of the abortion patients, 85.7 percent, in 1978 were White. Black patients represented 12.1 percent and other races constituted 2.2 percent.

Marital Status of Patient: Of the 9,740 abortion patients in Kansas, 7,333 or 75.3 percent, were not married, 2,366, or 24.3 percent were married and 41 or 0.4 percent did not report their marital status.

Primary Indication for Abortion: In most cases, 84.5 percent, mental health was indicated as the patient's primary reason for seeking an abortion. Socio-economic was indicated in 653 cases, 6.7 percent, and felonious intercourse in 269 cases, 2.8 percent. Other reasons, such as physical health, fetal defect, rape, incest and emergencies were indicated in 198 cases or 2.0 percent and 389 or 4.0 percent fall into the category of other or not stated.

Method of Abortion: Ninety percent (8,807) of the abortions were performed by suction curettage. Intra-uterine saline instillation was utilized in 326 cases and intra-uterine prostaglandin instillation in 84 cases.

Weeks Gestation: Most abortions were performed within the first three months of pregnancy, or prior to the fourteenth week of gestation. Eighty-five percent were performed within thirteen weeks after conception.

FETAL DEATHS (Stillbirths)

There were 331 fetal deaths recorded for Kansas residents in 1978, representing a 7.5 percent increase from the 1977 total of 308. The fetal death rate also increased from 8.3 per 1,000 total births in 1977 to 9.0 in 1978. The fetal death rate has fluctuated from year to year and has shown no definite trend in the last decade. However, rates decreased considerably after 1936 when the rate was 26.1 per thousand deliveries. (Table 27 in the Appendix shows the number of fetal deaths by county of residence in 1978.)

Cause of Death: In 1978, 14.5 percent of the fetal deaths (48) were attributable to premature separation of the placenta. Other common causes of fetal deaths were: conditions of the placenta (36) and umbilical cord (34); immaturity (16); and pre-eclampsia (9). (Intentionally aborted fetuses which weigh more than 350 grams are not included as fetal deaths in this report.)

Weight: Fetuses weighing between 351 and 2,000 grams (12.4 oz. to 4 lb. 6 oz.) constituted 56.2 percent of the fetal deaths in 1978. Sixty-eight (67.7) percent of all fetal deaths weighed 2,500 grams or less (5 lb. 8 oz.).

Race: While 91.0 percent of the mothers of infants born in 1978 were White, 85.8 percent of the fetal deaths involved women of this race, indicating a somewhat greater incidence of fetal deaths among non-White races.

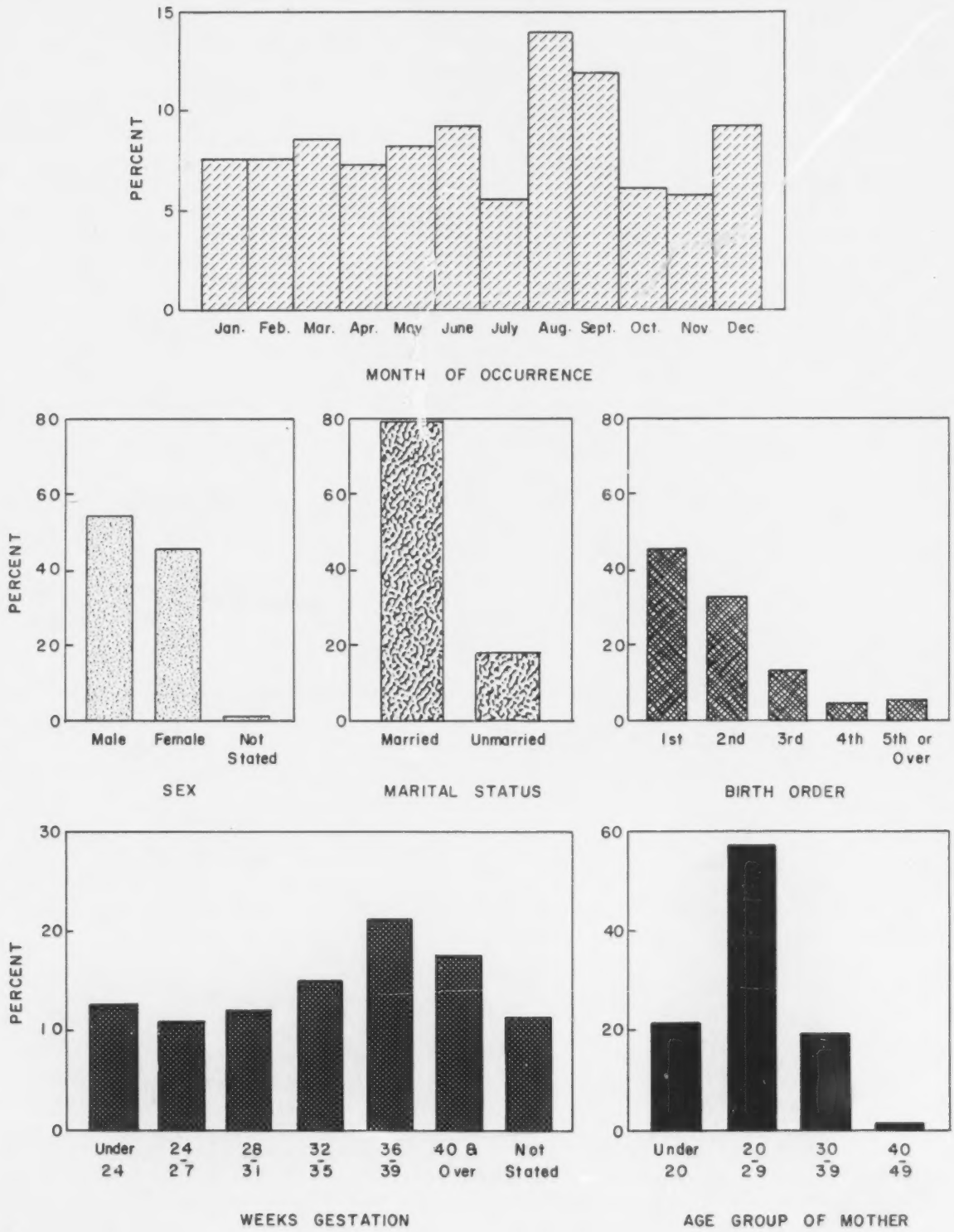
Maternal Age: The average age of mothers having fetal deaths in 1978 was 24.6 years, only slightly higher than the average maternal age of 24.5 years for live births. The number of fetal deaths by maternal age group, percent distribution and age-specific fetal death ratios (the number of fetal deaths per thousand live births for a given age group) are shown below.

Fetal Deaths: Distribution by Age Group of Mother and Age-Specific Ratios

Age Group	Number	Percent	Ratio**
Total	331	100.0	...
10-14	4	1.2	*
15-19	66	20.0	11.5
20-24	108	32.6	7.7
25-29	82	24.8	7.3
30-34	47	14.2	10.6
35-39	17	5.1	16.0
40-44	5	1.5	30.3
45-49	-	-	-
N.S.	2	0.6	...

**Age-specific fetal death ratios are expressed as the number of fetal deaths per 1,000 live births for a given age group.

FETAL DEATHS BY SELECTED CHARACTERISTICS KANSAS, 1978



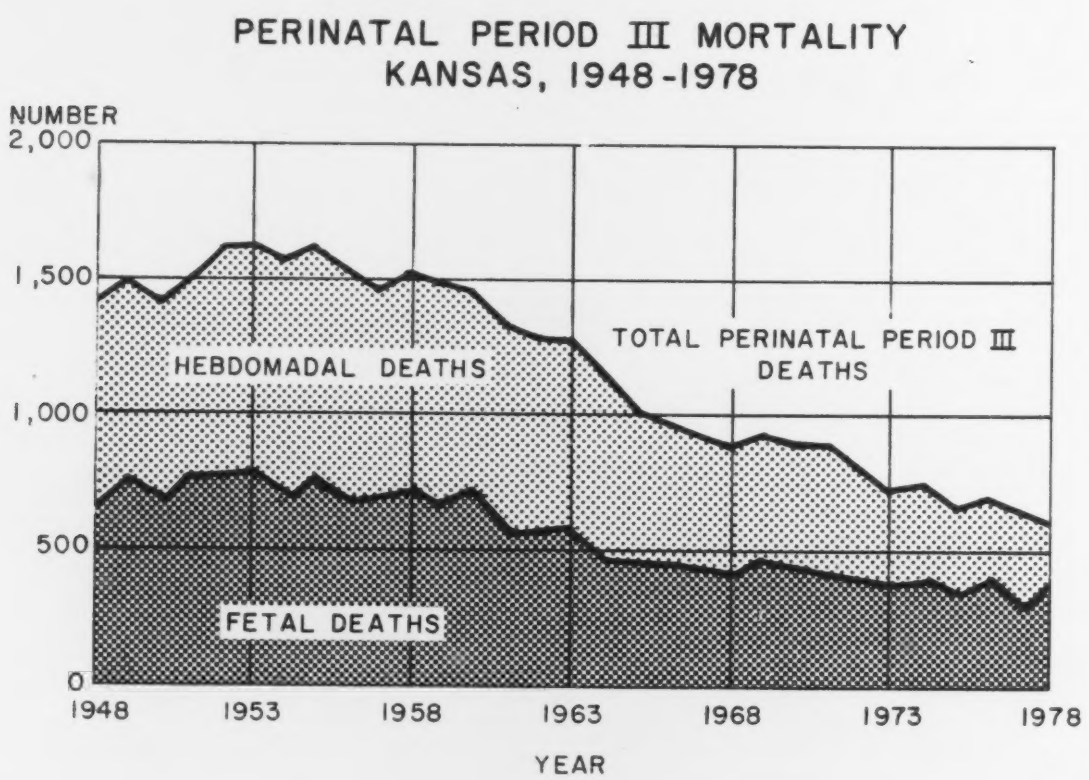
Residence data.

Figure 10

Other Characteristics: Selected characteristics of fetal deaths in 1978 are outlined in Figure 10. Viewing the month of occurrence, 13.9 percent of the fetal deaths occurred in August and 11.8 percent in September; no particular seasonal or monthly patterns were evident in the remaining months. As a comparison, 51.3 percent of the live births in 1978 were males while 53.8 percent of the fetal deaths for the year were male fetuses. Only 17.5 percent of all fetal deaths were from out-of-wedlock pregnancies. The largest percentage of fetal deaths (45.3 percent) occurred with the first pregnancies with the incidence declining with higher birth order. Thirty-nine (38.7) percent of the fetal deaths occurred after 35 weeks of gestation.

PERINATAL PERIOD III MORTALITY

Perinatal Period III mortality refers to the aggregated total of fetal deaths and hebdomadal deaths (less than seven days after birth).



Residence data.

Figure 11

Since 1955 there has been a general downward trend in the number of Perinatal Period III deaths. The number of deaths decreased from 1,604 in 1955 to 585 in 1978. A graphic representation of Perinatal Period III mortality which occurred between 1948 and 1978 is presented in Figure 11.

Table 5
Perinatal Period III Mortality
Kansas, Selected Years, 1948-1978

Year	Fetal Deaths	Hebdomadal Deaths	Perinatal Period III Deaths	
			Number	Rate
1978.....	331	254	585	15.8
1977.....	308	335	643	17.3
1976.....	364	310	674	18.9
1975.....	341	304	645	18.9
1974.....	379	354	733	22.1
1973.....	355	342	697	21.5
1972.....	375	410	785	23.4
1971.....	380	506	886	24.3
1970.....	423	477	900	23.3
1969.....	456	480	936	24.9
1968.....	393	494	887	24.7
1967.....	430	482	912	25.8*
1962.....	538	737	1,275	25.9
1957.....	672	806	1,478	27.5
1952.....	743	856	1,599	31.5
1948.....	621	789	1,410	32.6

*Criteria for reporting fetal deaths changed from twenty weeks gestation to a fetal weight of more than 350 grams.

Residence data.

Examining the components which constitute Perinatal Period III mortality in Table 5, both the numbers of fetal deaths and hebdomadal deaths declined during the 1948 to 1978 period. Fetal deaths accounted for 46.7 percent fewer deaths in 1978 than they did in 1948, and hebdomadal deaths decreased by 67.8 percent. (Perinatal Period III deaths by county of residence are given in Appendix Table 27.)

INFANT DEATHS

An infant death is defined as a death of a liveborn infant who is under one year of age. Below are the major components, or stages of infancy, which constitute the first year of life, and deaths which occur during that time are hereafter classified in a like manner.

Hebdomadal deaths - occur prior to the seventh day of life.

Post-hebdomadal deaths - occur from 7 through 27 days after birth.

Neonatal deaths - occur prior to the twenty-eighth day of life.

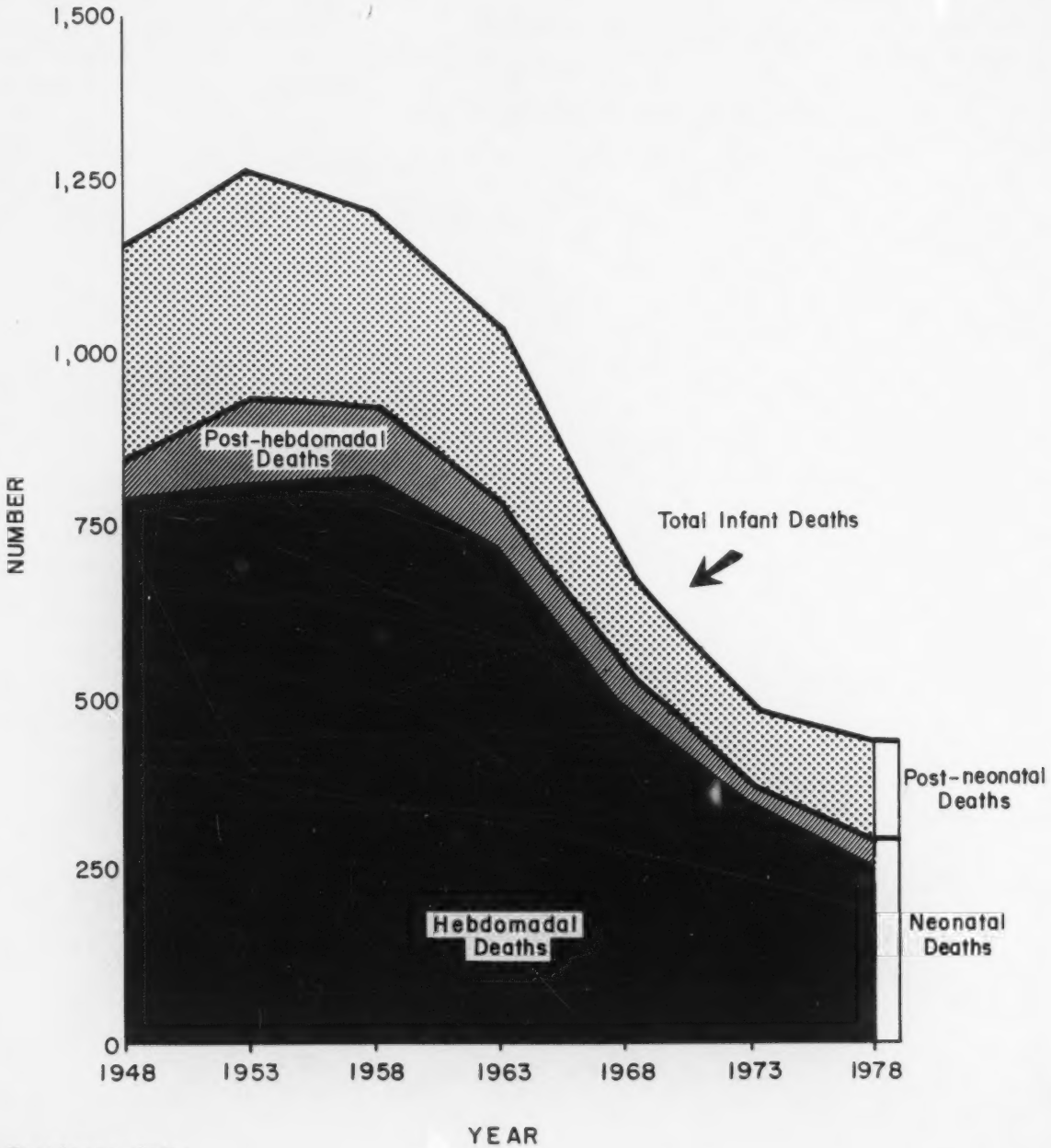
Post-neonatal deaths - occur after 27 days but prior to one year after birth.

These stages overlap in that neonatal deaths represent the total of the two categories --hebdomadal and post-hebdomadal deaths. Infant deaths are the sum of neonatal deaths and post-neonatal deaths.

Kansas infant deaths reached a record low of 440 in 1978. The number of infant deaths, as graphically presented in Figure 12, declined 61.8 percent from 1948 to 1978. Expressed as a rate per thousand live births, infant deaths dropped from 27.1 in 1948 to 12.0 in 1978. By comparison the estimated infant mortality rate for the United States was 13.6 in 1978. The component stages of infant deaths, neonatal deaths (including the hebdomadal and post-hebdomadal periods) and post-neonatal deaths, declined in Kansas in a somewhat parallel manner during the 1948-1978 time period, with the margin between the two narrowing slightly in latter years. Neonatal deaths totaled 302 in 1978 compared to 851 in 1948, a 64.5 percent decline. Post-neonatal deaths concurrently dropped by 54.2 percent, from 301 in 1948 to 138 in 1978. (Table 28 in the Appendix shows the number of infant deaths by components and county of residence in 1978.)

Cause of Death: "Congenital anomalies" was the most common cause of infant death and accounted for 111 or 25.2 percent of all infant deaths. "Anoxic and hypoxic condition" represented 78 or 17.7 percent of all infant deaths and was the second leading cause. All causes of infant death by age group are listed in Table 6.

INFANT DEATHS BY COMPONENT
KANSAS, SELECTED YEARS, 1948-1978



Residence data:

Figure 12

Table 6
Infant Deaths by Cause and Age Group of Infant
Kansas, 1978

Cause of Death (ICDA Code)	Age Group of Infant						
	Under 1 Year	Under 1 Day	1-6 Days	Under 7 Days*	7-27 Days	Under 28 Days**	28-364 Days
All Causes (000-E999)	440	155	99	254	48	302	138
Infective and Parasitic Disease (000-136)	20	1	10	11	2	13	7
Other Diseases and Disorders (140-738)	65	6	5	11	6	17	48
Congenital Anomalies (740-759)	111	31	37	68	16	84	27
Certain Causes of Perinatal Morbidity and Mortality (760-772, 774-778)	187	116	47	163	22	185	2
· Maternal Conditions of Pregnancy and Childbirth (760-769)	32	27	4	31	-	31	1
· Condition in Placenta and Cord (770-771)	10	8	2	10	-	10	-
· Birth Injury (772)	9	3	5	8	1	9	-
· Hemolytic Disease (774-775)	7	4	2	6	1	7	-
· Anoxic and Hypoxic Condition (776)	78	35	29	64	13	77	1
· Immaturity (777)	38	34	3	37	1	38	-
· Other Conditions of Newborn (778)	13	5	2	7	6	13	-
Symptoms and Ill-defined Conditions (780-796)	44	-	-	-	2	2	42
· Sudden Infant Death Syndrome (795)	41	-	-	-	2	2	39
· Other (782, 796)	3	-	-	-	-	-	3
Accidents (E800-E999)	13	1	-	1	-	1	12

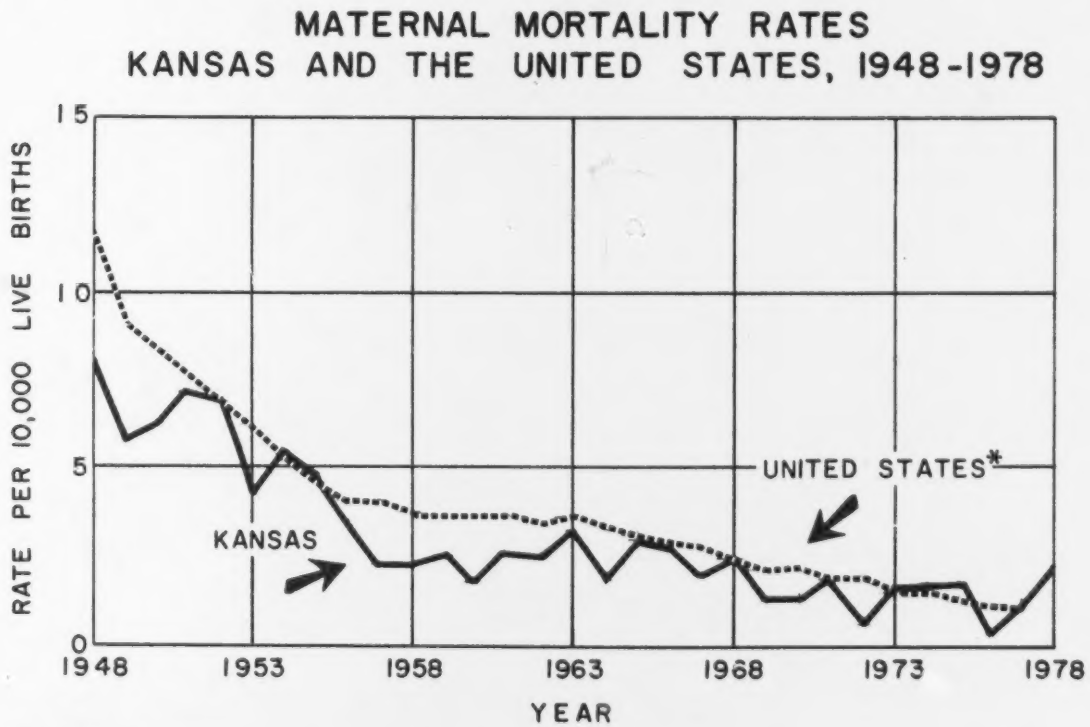
*Hebdomadal Deaths
**Neonatal Deaths

Residence data.

MATERNAL DEATHS

Maternal deaths are those attributable to complications of pregnancy, childbirth or the puerperium, based on the certified cause of death listed on the death certificate.

During 1978, 8 maternal deaths occurred to Kansas residents. Maternal mortality rates, expressed as the number of maternal deaths per ten thousand live births, for Kansas and the nation declined considerably between 1948 and 1978 as illustrated in Figure 13. While the U.S. rate showed a steady decline, the descent of Kansas' rate was somewhat more erratic. Overall, the rate of maternal deaths in Kansas was generally below that of the United States during that period. The maternal death rate for Kansas in 1978 was 2.2, a 72.5 percent decrease from the 1948 maternal death rate of 8.0.



*1978 data from the National Center for Health Statistics not available at the time of publication.
Residence data.

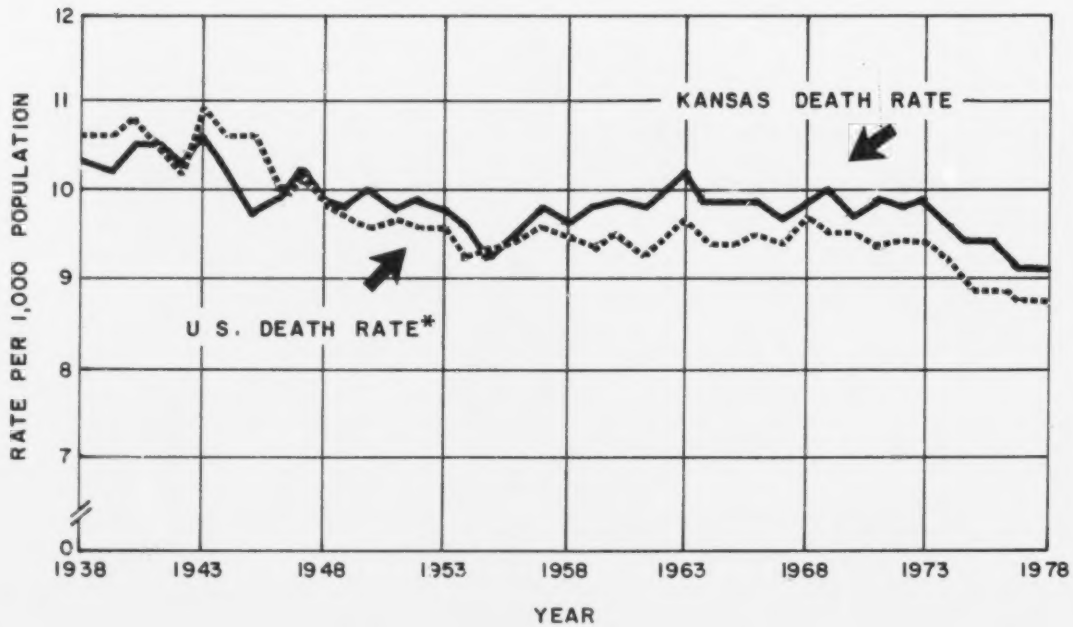
Figure 13

GENERAL MORTALITY

DEATHS

A total of 21, 566 resident deaths were recorded during 1978, representing a 1.4 percent increase from the 21,271 deaths recorded in 1977. The death rate for Kansas in 1978 was 9.1 per thousand population, identical to the 1977 rate. As illustrated in Figure 14, the Kansas death rate has remained relatively stable between the years 1938 and 1978, not rising above 10.6 (1943) nor falling below 9.1 (1977 and 1978).

DEATH RATES
KANSAS AND THE UNITED STATES, 1938-1978



*1978 United States death rate represents provisional data from the National Center for Health Statistics.

Residence data.

Figure 14

The Kansas death rate in 1978 was 3.4 percent higher than the national death rate of 8.8. During the 1958-1978 period the Kansas rate was, on the average, 4.4 percent higher than the national rate.

DEATH RATES BY COUNTY OF RESIDENCE
KANSAS, 1978

STATE RATE: 9.1

Figure 15

Death rates by county of residence for 1978 are shown in Figure 15. Stanton County had a low rate of 3.6 per 1,000 population, while Greenwood County had a high of 17.7. (The number of deaths and respective rates for 1974-1978 on a county of residence basis are given in Appendix Table 29.)

Age, Race and Sex of Decedent

The average age at death of Kansas residents in 1978 was 70.1 years. As illustrated in Figure 16, 20 counties had an average age at death of 75 years or more. (The number of deaths by age group and average age at death by county of residence are given in Appendix Table 30.)

Ninety-five (94.8) percent of the Kansas decedents in 1978 were White, 4.8 percent were Black and less than one percent were of other races. The average age at death for the White population was 70.5, ten years older than that of the Black population, whose average age at death was 60.5. Excepting the oldest age group, male deaths exceeded female deaths by a considerable margin. The distribution of 1978 Kansas resident deaths by age group, race, sex and average age at death is presented in Table 7.

Leading Causes of Death

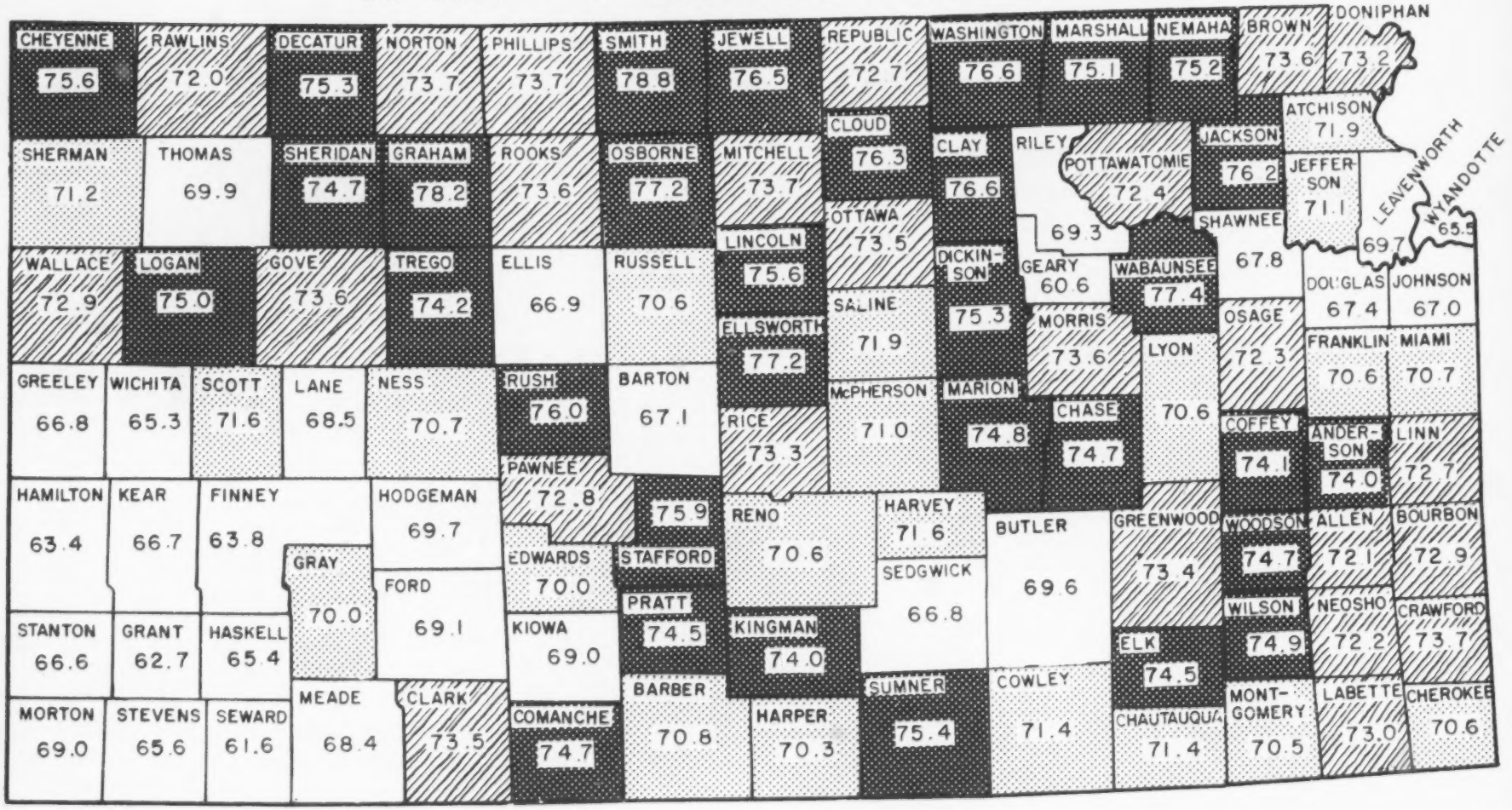
Given in Table 8 are selected causes of death by age group of Kansas residents that died in 1978. The listed causes of death and the process of assigning the underlying cause of death are in accordance with the Eighth Revision of the International Classification of Diseases, adapted for use in the United States and published by the National Center for Health Statistics.

This discussion is not exhaustive of all causes of death of Kansas residents, rather it highlights the major causes in terms of magnitude of numbers of deaths from particular causes. (The number of deaths in Kansas from the twenty leading causes of death by county of residence are given in Appendix Table 31.)

The two leading causes of death in Kansas, heart disease and malignant neoplasms, had average ages at death of 75.9 and 68.3, respectively. Arteriosclerosis, with an average age at death of 85.0 years, had the highest average age at death of any of the leading causes of death.

Examining the ten leading causes of death for Kansas residents in 1978, Table 9 shows not only the number of deaths attributable to each cause but also the disease-specific death rates and average age at death for males and females. (Appendix Table 32 enumerates disease-specific death rates of the ten leading causes of death by county of residence.) Table 10 provides comparisons of deaths for Kansas and the United States for selected leading causes by number and rate for 1978.

AVERAGE AGE AT DEATH
BY COUNTY OF RESIDENCE, KANSAS, 1978



AVERAGE AGE AT DEATH

60.0 70.0 72.0 74.0 78.9

STATE AVERAGE: 70.1

Figure 16

Table 7
Deaths by Race and Sex of Decedent, by Age Group and Average Age at Death
Kansas, 1978

Race and Sex of Decedent	Total	Age Group of Decedent											Average Age at Death
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	
Deaths-All Races..	21,566	440	92	114	525	407	501	1,189	2,690	4,526	6,255	4,827	70.1
Male.....	11,443	235	54	70	396	268	304	766	1,741	2,752	3,151	1,706	67.0
Female.....	10,123	205	38	44	129	139	197	423	949	1,774	3,104	3,121	73.6
White.....	20,453	369	76	100	482	355	442	1,106	2,525	4,299	6,019	4,680	70.5
Male.....	10,820	200	45	60	363	236	263	716	1,647	2,616	3,033	1,641	67.4
Female.....	9,633	169	31	40	119	119	179	390	878	1,683	2,986	3,039	74.0
Black.....	1,039	62	13	13	37	48	57	77	155	210	227	140	60.5
Male.....	588	30	8	9	28	32	40	46	89	128	114	64	58.6
Female.....	451	32	5	4	9	16	17	31	66	82	113	76	63.0
Indian.....	47	4	2	1	5	2	-	5	8	12	7	1	50.6
Male.....	24	2	1	1	4	-	-	3	4	6	3	-	47.2
Female.....	23	2	1	-	1	2	-	2	4	6	4	1	54.1
Other.....	16	3	1	-	-	2	2	1	2	1	1	3	*
Male.....	6	1	-	-	-	-	1	1	1	-	1	1	*
Female.....	10	2	1	-	-	2	1	-	1	1	-	2	*
Unknown.....	11	2	-	-	1	-	-	-	-	4	1	3	*
Male.....	5	2	-	-	1	-	-	-	-	2	-	-	*
Female.....	6	-	-	-	-	-	-	-	-	2	1	3	*

Residence data.

Table 8
Selected Causes of Death by Age Group of Decedent
And Average Age at Death
Kansas, 1978

Selected Causes of Death (ICDA Code)	Total	Age Group of Decedent											
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	Average Age At Death
All Causes	21,566	440	92	114	525	407	501	1,189	2,690	4,526	6,255	4,827	70.1
Selected Causes	18,397	152	67	90	469	348	435	1,041	2,325	3,864	5,403	4,203	n/a
Tuberculosis (010-019)	22	-	-	-	-	1	-	3	4	3	7	4	68.5
Malignant Neoplasms (140-209)	4,227	3	8	12	25	62	112	363	865	1,253	1,131	393	68.3
Diabetes Mellitus (250)	392	-	-	-	-	5	10	21	55	114	122	65	72.2
Hypertension (400-401, 403)	60	-	-	-	-	-	-	1	5	11	23	20	79.3
Heart Disease (390-398, 402, 404, 410-429)	8,097	8	3	2	12	28	94	349	970	1,750	2,655	2,226	75.9
Cerebrovascular Disease (430-438)	2,129	2	3	1	5	7	20	52	149	340	785	765	78.9
General Arteriosclerosis (440)	439	-	-	-	-	-	1	2	7	30	158	241	85.0
Influenza and Pneumonia (470-474, 480-486)	784	17	4	4	9	11	11	26	38	100	234	330	76.5
Emphysema (492)	145	-	-	-	-	-	1	9	16	48	59	12	73.1
Peptic Ulcer (531-533)	66	-	-	-	1	-	2	4	5	16	22	16	73.6
Cirrhosis of Liver (571)	188	-	-	-	-	3	14	45	51	49	21	5	60.5
Nephritis and Nephrosis (580-584)	80	-	1	-	2	1	1	5	5	18	25	22	74.0
Congenital Anomalies (740-759)	159	111	12	8	8	3	2	1	3	3	5	3	9.7
Accidents (E800-E949)	1,217	9	34	60	314	157	109	101	102	95	136	100	43.8
Motor Vehicle (E810-E823)	597	3	13	29	214	106	46	57	48	44	29	8	35.4
Nonmotor Vehicle (E824-E949)	620	6	21	31	100	51	63	44	54	51	107	92	51.8
Suicide (E950-E959)	264	-	-	1	59	46	32	41	43	26	16	-	43.5
Homicide (E960-E969)	128	2	2	2	34	24	26	18	7	8	4	1	37.0

Residence data.

Table 9
Ten Leading Causes of Death by Sex of Decedent
By Number, Rate and Average Age at Death
Kansas, 1978

Leading Cause of Death (ICDA Code)	Number of Deaths			Disease-Specific Death Rate			Average Age at Death		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
All Causes (000-E999)	21,566	11,443	10,123	914.1	989.8	841.3	70.1	67.0	73.6
Heart Disease (390-398, 402, 404, 410-429)	8,097	4,288	3,809	343.2	370.9	316.6	75.9	72.6	79.7
Malignant Neoplasms (140-209)	4,227	2,317	1,910	179.2	200.4	158.7	68.3	68.2	68.4
Cerebrovascular Disease (430-438)	2,129	861	1,268	90.2	74.5	105.4	78.9	77.0	80.1
Accidents (E800-E949)	1,217	819	398	51.6	70.8	33.1	43.8	39.4	52.8
Influenza and Pneumonia (470-474, 480-486)	784	373	411	33.2	32.3	34.2	76.5	73.2	79.5
General Arteriosclerosis (440)	439	172	206	18.6	14.9	22.2	85.0	83.0	86.3
Diabetes Mellitus (250)	392	162	230	16.6	14.0	19.1	72.2	69.0	74.5
Suicide (E950-E959)	264	206	58	11.2	17.8	4.8	43.5	44.0	41.3
Aortic Aneurysm (441)	198	142	56	8.4	12.3	4.7	75.5	74.1	79.1
Infective and Parasitic Diseases (000-136)	196	92	104	8.3	8.0	8.6	61.5	58.7	64.0

Residence data.

Table 10
Selected Leading Causes of Death by Number and Rate
Kansas and the United States, 1978

Cause of Death (ICDA Code)	Kansas		United States* (Estimates)	
	Number	Rate	Number	Rate
All Causes	21,566	914.1	191,375	882.5
Malignant Neoplasms (140-209)	4,227	179.2	39,448	181.9
Diabetes Mellitus (250)	392	16.6	3,258	15.0
Heart Disease (390-398, 402, 404, 410-429)	8,097	343.2	72,210	333.0
Hypertension (400-401, 403)	60	2.5	543	2.5
Cerebrovascular Disease (430-438)	2,129	90.2	17,148	79.1
General Arteriosclerosis (440)	439	18.6	2,902	13.4
Influenza and Pneumonia (470-474, 480-486)	784	33.2	5,798	26.7
Emphysema (492)	145	6.1	1,587	7.3
Peptic Ulcer (531-533)	66	2.8	562	2.6
Cirrhosis of Liver (571)	188	8.0	2,972	13.7
Nephritis and Nephrosis (580-584)	80	3.4	797	3.7
Congenital Anomalies (740-759)	159	6.7	1,288	5.9
Certain Causes of Mortality in Early Infancy (760-772, 774-778)	190	8.1	2,231	10.3
Accidents (E800-E949)	1,217	51.6	10,374	47.8
Suicide (E950-E959)	264	11.2	2,577	11.9
Homicide (E960-E969)	128	5.4	1,991	9.2

*United States estimates are from the National Center for Health Statistics and are based on a 10 percent sample.
Residence data.

Four Leading Causes: Depicted in Figure 17 are the year by year death rate trends of the four leading causes of death from 1938-1978. The rate of heart disease, the number one cause of death in Kansas, rose considerably from 1938 to 1961. After stabilizing somewhat for the next ten years, the heart disease rate has gradually declined to 343.2 per 100,000 population in 1978, 3.1 percent higher than the estimated 1978 national rate of 333.0. The heart disease rate among Kansas men was 370.9 per 100,000 in 1978 compared to 316.6 among the female population. The male victims of fatal heart disease averaged more than seven years younger than female victims.

Cancer was the second-leading cause of death in Kansas in 1978, rising from 128.5 deaths per 100,000 population in 1938 to a record high of 179.2 in 1978. Comparatively, the estimated cancer death rate for the United States of 181.9 per 100,000 population for 1978 was 1.5 percent higher than the Kansas rate. The incidence of terminal cancer was higher for men than for women, as evidenced by the death rates of 200.4 for males and 158.7 for females.

Kansas death rates for cerebrovascular disease, the number three cause of death in 1978, remained between 100.0 and 140.0 from 1938 to 1975. However, the rate dropped to 95.7 in 1976 and 90.2 in 1978. The estimated 1978 cerebrovascular disease rate for the United States was 79.1, or 14.0 percent lower than the Kansas rate. Comparing the number of male and female victims in 1978, nearly sixty (59.6) percent were females, and the sex-specific rate was 105.4 for females and 74.5 for males.

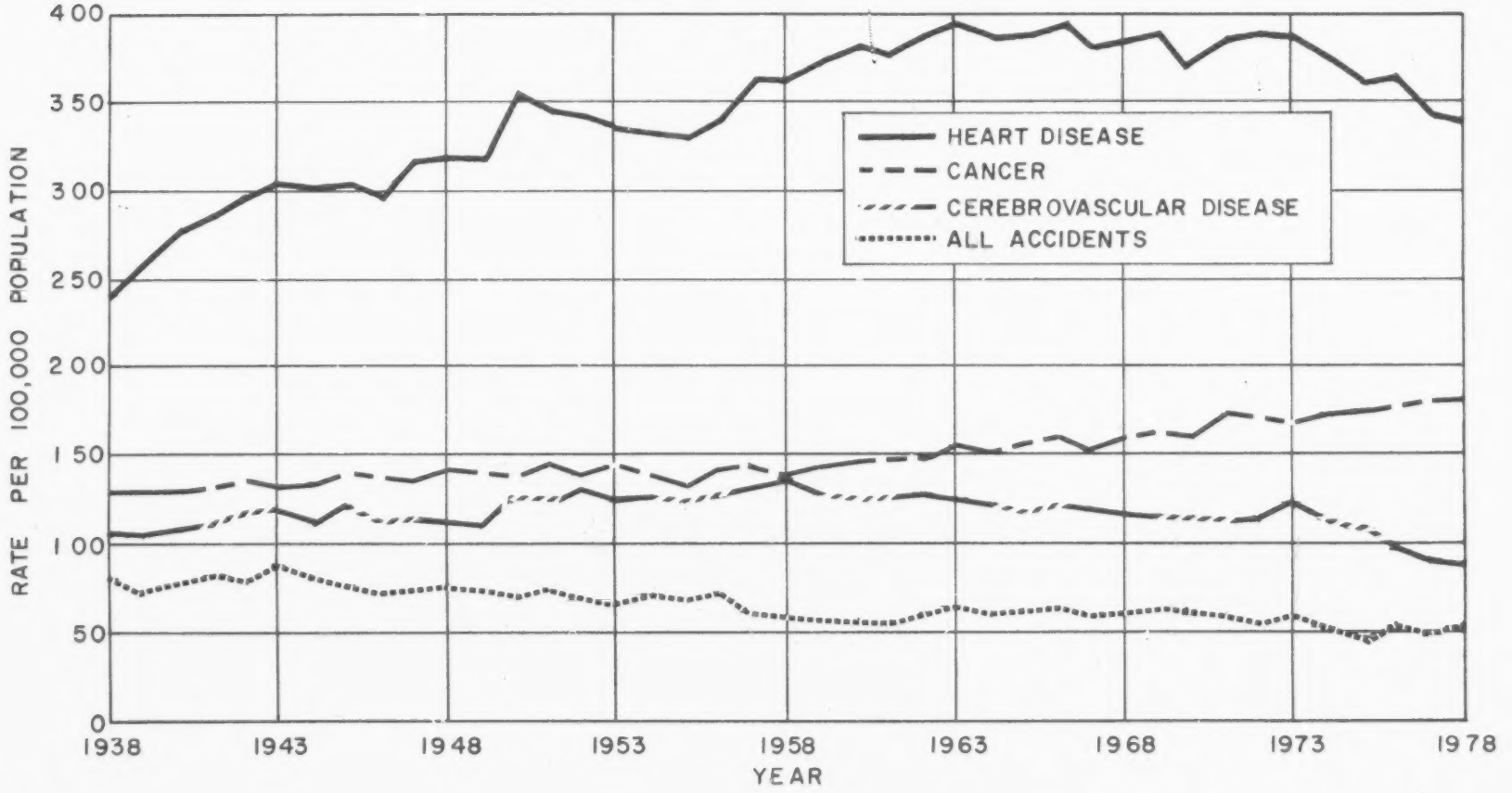
Accidental deaths accounted for 5.6 percent of all deaths in Kansas in 1978, making it the fourth leading cause during that year. The death rate from accidents declined from 79.7 in 1938 to 51.6 in 1978. By comparison the estimated 1978 rate for the United States was 47.8 or 7.9 percent below the Kansas rate.

Leading Causes by Age Group: Variations in the most prevalent causes of death by selected age groups are presented in Figure 18. The leading causes of death for each age group are listed in order of magnitude. It is thus noted that in 1978, accidents were the most frequent cause of death for victims between one year of age and forty-four years, especially in the 5-14 and 15-24 year age groups. Heart disease was more commonly fatal to those persons over 44 years old. Cancer and cerebrovascular disease also claimed more victims of older age groups than of younger. Suicide and homicide had the greatest impact upon persons of the 15-24 and 25-44 categories. Influenza and pneumonia, on the other hand, was one of the five leading causes of death of persons under 15 and over 64.

Heart Disease: The number one cause of death in Kansas, heart disease, claimed 8,097 lives in 1978 and accounted for 37.5 percent of all deaths during the year.

The classifications which constitute heart disease, the number of deaths attributable to each and the respective sex and age group distributions are presented in Table 11.

DEATH RATES FOR LEADING CAUSES OF DEATH
KANSAS, 1938 - 1978

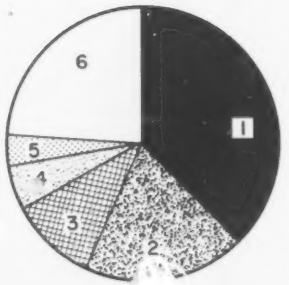


Residence data.

Figure 17

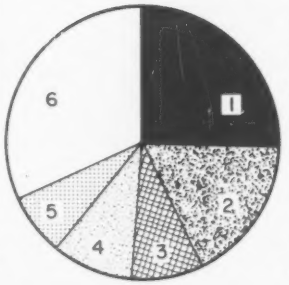
LEADING CAUSES OF DEATH BY AGE GROUP
KANSAS, 1978

ALL AGES



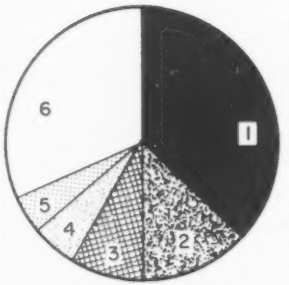
Cause of Death	Number of Deaths
1. Heart Disease	8,097
2. Cancer	4,227
3. Cerebrovascular Disease	2,129
4. Accidents	1,217
5. Influenza and Pneumonia	784
6. Other Causes	5,112
Total Deaths	21,566

UNDER 1 YEAR



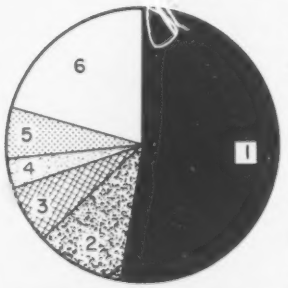
Cause of Death	Number of Deaths
1. Congenital Anomalies	111
2. Anoxia and Hypoxia	78
3. Sudden Infant Death	41
4. Immaturity	38
5. Condition of Mother and Difficult Labor	32
6. Other Causes	140
Total Deaths	440

1-4 YEARS



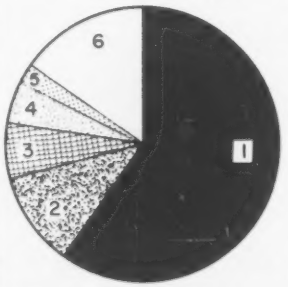
Cause of Death	Number of Deaths
1. Accidents	34
2. Congenital Anomalies	12
3. Cancer	8
4. Meningitis	5
5. Influenza and Pneumonia	4
6. Other Causes	29
Total Deaths	92

5-14 YEARS



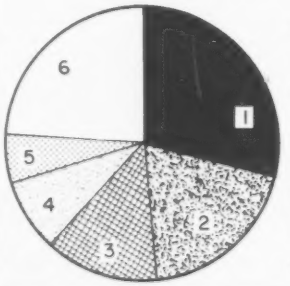
Cause of Death	Number of Deaths
1. Accidents	60
2. Cancer	12
3. Congenital Anomalies	8
4. Other Metabolic Diseases	7
5. Influenza and Pneumonia	4
6. Other Causes	23
Total Deaths	114

15-24 YEARS



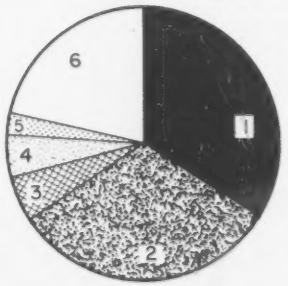
Cause of Death	Number of Deaths
1. Accidents	314
2. Suicide	59
3. Homicide	34
4. Cancer	25
5. Heart Disease	12
6. Other Causes	81
Total Deaths	525

25-44 YEARS



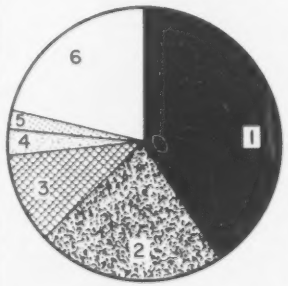
Cause of Death	Number of Deaths
1. Accidents	266
2. Cancer	174
3. Heart Disease	122
4. Suicide	78
5. Homicide	50
6. Other Causes	218
Total Deaths	908

45-64 YEARS



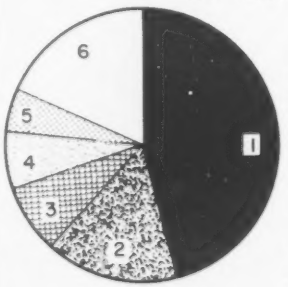
Cause of Death	Number of Deaths
1. Heart Disease	1,319
2. Cancer	1,228
3. Accidents	203
4. Cerebrovascular Disease	201
5. Cirrhosis of Liver	96
6. Other Causes	832
Total Deaths	3,879

65-84 YEARS



Cause of Death	Number of Deaths
1. Heart Disease	4,405
2. Cancer	2,384
3. Cerebrovascular Disease	1,125
4. Influenza and Pneumonia	334
5. Diabetes Mellitus	236
6. Other Causes	2,297
Total Deaths	10,781

85 YEARS AND OVER



Cause of Death	Number of Deaths
1. Heart Disease	2,226
2. Cerebrovascular Disease	765
3. Cancer	393
4. Influenza and Pneumonia	330
5. Arteriosclerosis	241
6. Other Causes	872
Total Deaths	4,827

Residence data.

Figure 18

Table 11
Heart Disease Deaths by Age Group and Sex
Kansas, 1978

Cause of Death (ICDA Code)	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Diseases of the Heart (390-398, 402, 404, 410-429)	8,097	8	3	2	12	28	94	349	970	1,750	2,655	2,226
Male	4,288	4	3	-	7	18	70	271	712	1,125	1,310	768
Female	3,809	4	-	2	5	10	24	78	258	625	1,345	1,458
Active Rheumatic Fever and Chronic Rheumatic Heart Disease (390-398)	92	-	-	-	-	1	4	9	18	29	26	5
Male	42	-	-	-	-	1	1	5	9	14	8	4
Female	50	-	-	-	-	-	3	4	9	15	18	1
Hypertensive Heart Disease with or without Renal Disease (402, 404)	96	-	-	-	-	-	-	2	10	22	29	33
Male	40	-	-	-	-	-	-	-	4	16	13	7
Female	56	-	-	-	-	-	-	2	6	6	16	26
Ischemic Heart Disease (410-414)	7,229	-	-	-	2	18	73	298	860	1,568	2,403	2,007
Male	3,854	-	-	-	2	14	59	237	638	1,017	1,195	692
Female	3,375	-	-	-	-	4	14	61	222	551	1,208	1,315
Chronic Disease of Endocardium and other Myocardial Insufficiency (424, 428)	45	1	-	-	1	-	2	1	5	8	11	16
Male	20	1	-	-	1	-	2	-	3	2	4	7
Female	25	-	-	-	-	-	-	1	2	6	7	9
All other forms of Heart Disease (420-423, 425-427, 429)	635	7	3	2	9	9	15	39	77	123	186	165
Male	332	3	3	-	4	3	8	29	58	76	90	58
Female	303	4	-	2	5	6	7	10	19	47	96	107

Residence data.

The most prevalent type of heart disease was ischemic heart disease which claimed 89.3 percent of all heart disease victims. In general, ischemic heart disease refers to an obstruction of the flow of blood from the arteries to the heart and resultant reduction of blood supply to the heart. Two forms, acute myocardial infarction and chronic ischemic heart disease, accounted for nearly all ischemic heart disease deaths, 3,780 and 3,433, respectively. Ischemic heart disease was most commonly fatal to persons over 64 years of age, especially those between 75 and 84. Fifty-three percent of the total heart disease victims were males and 47 percent were females, but the sex distributions by age group showed wide variations. For the age groups between 35 and 74, 68.8 percent of the victims were males while for the age group 75 years and over, 57.4 percent were females.

Cancer: The 4,227 deaths in 1978 which were caused by cancer, or malignant neoplasms contributed 19.6 percent of the total number of deaths and represented the second most prevalent cause of death in the State. Thirty (29.6) percent of the victims were between 65 and 74 years of age and the sex distribution was 54.8 percent males and 45.2 percent females. As depicted in Table 12, malignant neoplasms of the digestive organs and peritoneum accounted for over one-fourth (1,091) of all cancer victims. Cancer of the respiratory system claimed 1,056 victims, 78.7 percent of which were men.

Cerebrovascular Disease: The average age at death of persons dying from this degenerative illness was 78.9 years in 1978 (Table 13). Cerebrovascular deaths from acute but ill-defined causes, a category which includes apopletic, hypertensive and paralytic strokes, claimed 863 lives. Other categories of the disease include generalized ischemic cerebrovascular disease, which caused 431 deaths; and the combined entity of cerebral thrombosis, embolism and transient ischemia, which accounted for 412. Overall the sex distribution of the victims was 40.4 percent males and 59.6 percent females.

Other Chronic Diseases: The seven chronic diseases listed in Table 14 and the 1,370 deaths from those diseases represented 6.4 percent of all deaths during 1978. Most victims of fatal chronic diseases were in the older age group; 59.2 percent were persons 75 years or older.

General arteriosclerosis claimed 439 victims or nearly one-third of the "other chronic disease" victims. Diabetes mellitus, another of the most prevalent chronic diseases claimed 392 lives. Cirrhosis of the liver and emphysema, two diseases commonly linked with alcohol and smoking habits, were more often fatal to men than to women. Almost three-fourths (73.2 percent) of the victims of these two diseases were males and 26.8 percent were females.

Accidental Deaths: Deaths attributable to accidents in 1978 totaled 1,217, 5.6 percent of all deaths, making accidents the fourth leading cause of death for the year. Types of accidents are outlined in Table 15 with the number of male and female victims and age groups.

Table 12
Malignant Neoplasm Deaths
By Site of Lesion, Age Group and Sex
Kansas, 1978

Site of Lesion (ICDA Code)	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Maligant Neoplasms (All Sites) (140-209)	4,227	3	8	12	25	62	112	363	865	1,253	1,131	393
Male	2,317	2	3	10	15	29	54	189	480	732	622	181
Female	1,910	1	5	2	10	33	58	174	385	521	509	212
Mouth and Throat (140-149)	80	-	-	-	-	2	2	7	18	21	22	8
Male	60	-	-	-	-	1	2	6	17	15	14	5
Female	20	-	-	-	-	1	-	1	1	6	8	3
Digestive Organs and Peritoneum (150-159)	1,021	-	-	-	1	6	19	67	184	330	347	137
Male	538	-	-	-	-	5	11	36	95	185	156	50
Female	553	-	-	-	1	1	8	31	89	145	191	87
Respiratory System (160-163)	1,056	-	-	-	-	3	21	114	282	372	219	45
Male	831	-	-	-	-	1	15	88	226	298	173	30
Female	225	-	-	-	-	2	6	26	56	74	46	15
Breast (174)	348	-	-	-	1	7	14	55	92	100	56	23
Male	1	-	-	-	-	-	-	-	-	-	1	-
Female	347	-	-	-	1	7	14	55	92	100	55	23
Genital Organs (180-187)	525	-	-	-	3	9	19	28	83	131	181	71
Male	265	-	-	-	2	3	2	3	28	60	118	49
Female	260	-	-	-	1	6	17	25	55	71	63	22
Urinary Organs (188-189)	187	1	-	-	1	2	3	12	32	50	60	26
Male	126	1	-	-	-	2	2	8	20	38	39	16
Female	61	-	-	-	1	-	1	4	12	12	21	10
Other and Unspecified Sites (170-173, 190-199)	473	1	4	4	10	14	16	49	102	123	113	37
Male	251	1	2	4	7	5	9	30	56	70	53	14
Female	222	-	2	-	3	9	7	19	46	53	60	23
Leukemia (204-207)	169	-	2	6	4	8	5	12	20	38	52	22
Male	85	-	-	4	2	5	4	6	9	19	27	9
Female	84	-	2	2	2	3	1	6	11	19	25	13
Other Lymphatic and Hematopoietic Tissue (200-203, 208, 209)	298	1	2	2	5	11	13	19	52	88	81	24
Male	160	-	1	2	4	7	9	12	29	47	41	8
Female	138	1	1	-	1	4	4	7	23	41	40	16

Residence data.

Table 13
Cerebrovascular Disease Deaths by Age Group and Sex
Kansas, 1978

Cause of Death (ICDA Code)	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Cerebrovascular Disease (430-438)	2,129	2	3	1	5	7	20	52	149	340	785	765
Male	861	1	1	-	4	2	6	20	87	178	324	238
Female	1,268	1	2	1	1	5	14	32	62	162	461	527
Subarachnoid and Cerebral Hemorrhage (430-431)	344	1	-	1	4	4	15	31	54	68	106	60
Male	139	1	-	-	3	2	5	12	24	32	43	17
Female	205	-	-	1	1	2	10	19	30	36	63	43
Occlusion of Precerebral Arteries (432)	45	-	-	-	-	-	-	1	7	7	13	17
Male	24	-	-	-	-	-	-	-	6	5	5	8
Female	21	-	-	-	-	-	-	1	1	2	8	9
Cerebral Thrombosis, Embolism and Transient Ischemia (433-435)	412	-	1	-	-	2	1	5	21	72	156	154
Male	166	-	-	-	-	-	-	3	16	41	64	42
Female	246	-	1	-	-	2	1	2	5	31	92	112
Acute but Ill-defined Cerebrovascular Disease (436)	863	-	-	-	-	-	4	13	56	137	323	330
Male	356	-	-	-	-	-	1	4	33	76	135	107
Female	507	-	-	-	-	-	3	9	23	61	188	223
Generalized Ischemic Cerebrovascular Disease (437)	431	-	-	-	-	-	-	-	8	55	173	195
Male	161	-	-	-	-	-	-	-	6	24	70	61
Female	270	-	-	-	-	-	-	-	2	31	103	134
Other and Ill-defined Cerebrovascular Disease (438)	34	1	2	-	1	1	-	2	3	1	14	9
Male	15	-	1	-	1	-	-	1	2	-	7	3
Female	19	1	1	-	-	1	-	1	1	1	7	6

Residence data.

Table 14
Selected Chronic Disease Deaths by Age Group and Sex
Kansas, 1978

Cause of Death (ICDA Code)	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Total	1,370	-	1	-	3	9	29	87	144	286	430	381
Male	688	-	1	-	2	7	20	55	100	162	208	133
Female	682	-	-	-	1	2	9	32	44	124	222	248
General Arteriosclerosis (440)	439	-	-	-	-	-	1	2	7	30	158	241
Male	172	-	-	-	-	-	1	1	6	17	69	78
Female	267	-	-	-	-	-	-	1	1	13	89	163
Diabetes Mellitus (250)	392	-	-	-	-	5	10	21	55	114	122	65
Male	162	-	-	-	-	4	6	13	32	41	48	18
Female	230	-	-	-	-	1	4	8	23	73	74	47
Cirrhosis of Liver (571)	188	-	-	-	-	3	14	45	51	49	21	5
Male	126	-	-	-	-	2	12	32	39	29	9	3
Female	62	-	-	-	-	1	2	13	12	20	12	2
Emphysema (492)	145	-	-	-	-	-	1	9	16	48	59	12
Male	118	-	-	-	-	-	1	3	13	45	50	6
Female	27	-	-	-	-	-	-	6	3	3	9	6
Peptic Ulcer (531-533)	66	-	-	-	1	-	2	4	5	16	22	16
Male	46	-	-	-	1	-	-	3	4	13	16	9
Female	20	-	-	-	-	-	2	1	1	3	6	7
Nephritis and Nephrosis (580-584)	80	-	1	-	2	1	1	5	5	18	25	22
Male	43	-	1	-	1	1	-	3	2	13	10	12
Female	37	-	-	-	1	-	1	2	3	5	15	10
Hypertension without mention of Heart Disease (400-401, 403)	60	-	-	-	-	-	-	1	5	11	23	20
Male	21	-	-	-	-	-	-	-	4	4	6	7
Female	39	-	-	-	-	-	-	1	1	7	17	13

Residence data.

Table 15
Accidental Deaths by Age Group and Sex
Kansas, 1978

Cause of Death (ICDA Code)	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
All Accidents (E800-E949)	1,217	9	34	60	314	157	109	101	102	95	136	100
Male	819	5	21	38	254	126	72	77	68	57	64	37
Female	398	4	13	22	60	31	37	24	34	38	72	63
All Motor-Vehicle Accidents (E810-E823)	597	3	13	29	214	106	46	57	48	44	29	8
Male	437	1	9	17	171	88	27	44	36	24	14	6
Female	160	2	4	12	43	18	19	13	12	20	15	2
Water Transport Accidents (E830-E838)	8	-	-	-	2	3	2	-	1	-	-	-
Male	7	-	-	-	2	3	2	-	-	-	-	-
Female	1	-	-	-	-	-	-	-	1	-	-	-
Air and Space Transport Accidents (E840-E845)	24	-	-	1	4	7	5	5	1	1	-	-
Male	19	-	-	1	3	5	5	4	-	1	-	-
Female	5	-	-	-	1	2	-	1	1	-	-	-
Accidental Poisonings (E850-E877)	52	-	1	2	13	9	7	7	7	2	4	-
Male	29	-	-	2	10	6	4	1	3	1	2	-
Female	23	-	1	-	3	3	3	6	4	1	2	-
Accidental Falls (E880-E887)	188	1	2	-	5	2	10	6	12	14	66	70
Male	84	1	1	-	4	2	9	5	5	7	28	22
Female	104	-	1	-	1	-	1	1	7	7	38	48
Accidents Caused by Fires and Flames (E890-E899)	62	-	9	5	2	8	4	3	8	8	12	3
Male	40	-	4	2	2	6	2	2	6	6	9	1
Female	22	-	5	3	-	2	2	1	2	2	3	2
Accidents Due to Natural amd Environmental Factors (E900-E909)	31	1	1	2	3	5	3	4	4	5	3	-
Male	16	1	1	-	1	2	-	4	1	4	2	-
Female	15	-	-	2	2	3	3	-	3	1	1	-
Accidental Drowning and Submersion (E910)	47	-	5	7	23	1	4	1	2	3	1	-
Male	38	-	3	6	19	1	4	-	2	2	1	-
Female	9	-	2	1	4	-	-	1	-	1	-	-
Inhalation and Ingestion of Food Causing Obstruction or Suffocation (E911)	42	2	1	-	1	3	8	4	3	7	4	9
Male	21	2	1	-	-	2	3	4	1	4	1	3
Female	21	-	-	-	1	1	5	-	2	3	3	6

Table 15 (cont.)
Accidental Deaths by Age Group and Sex
Kansas, 1978

Cause of Death (ICDA Code)	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Striking Against or Struck Accidentally by Objects (E917)	19	-	-	-	6	2	2	2	2	1	4	-
Male	13	-	-	-	5	2	1	2	1	-	2	-
Female	6	-	-	-	1	-	1	-	1	1	2	-
Accident Caused by Electric Current (E925)	11	-	-	-	5	2	2	2	-	-	-	-
Male	11	-	-	-	5	2	2	2	-	-	-	-
Female	-	-	-	-	-	-	-	-	-	-	-	-
Other Accidents (E800-E807, E825-E827, E912-E916, E918-E924, E926-E949)	136	2	2	14	36	9	16	11	15	9	13	9
Male	104	-	2	10	32	7	13	10	13	7	5	5
Female	32	2	-	4	4	2	3	1	2	2	8	4

Residence data.

Comparing the number of male and female accident victims in 1978, over two-thirds, 67.3 percent, were males and they outnumbered females in all age groups except those in the 75-84 and 85 and over categories. The average age at death for accident victims was 43.8 years. Furthermore, the average age of men dying from accidental causes was 39.4, over thirteen years younger than that of female victims, whose average age was 52.8 years.

Motor-vehicle accidents, the most prevalent type of fatal accident, accounted for nearly half (49.1 percent) of the total in 1978. Of the 597 motor-vehicle fatalities, 28.6 percent were to males in the 15-24 year age group.

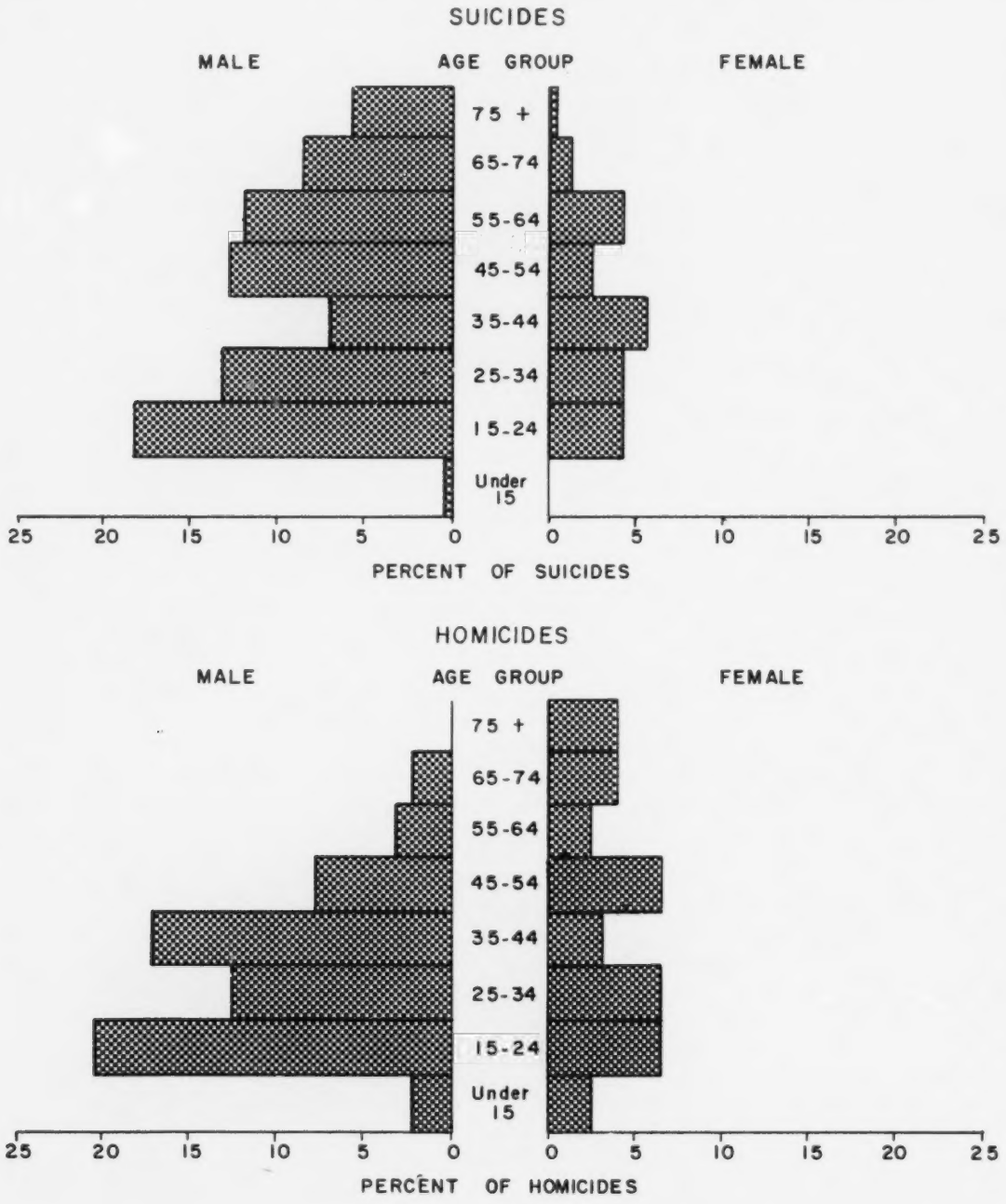
Accidental falls claimed 188 lives, which represented 15.4 percent of all accidental deaths in 1978. Nearly three-fourths (72.3 percent) of the victims were 75 years of age or older. Over half (57.6 percent) of the persons 75 years of age or older who died as a result of an accident were fall victims.

Suicide and Homicide: Suicide and homicide ranked eighth and sixteenth, respectively, among the leading causes of death in 1978. The average age at death from suicidal causes was 43.5 years; that of homicide was 37.0, clearly emphasizing the early age of persons dying from these unnatural causes. The Kansas suicide rate was 11.2 in 1978, 5.9 percent lower than the estimated 1978 national rate of 11.9. The distribution of suicide and homicide deaths in Figure 19 compares the age group and sex of victims.

Over three-fourths (78.0 percent) of the 264 suicide victims in 1978 were males. Male victims between 15-24 years of age accounted for 18.2 percent of all suicide deaths while men between 25-34 ranked second with 13.2 percent. The most prevalent age group for female suicide victims was the 35-44 age group, which accounted for 5.3 percent of all suicide deaths. The average age of male suicide victims was 44.0. The average age of female victims was 41.3 years.

Figure 19 also illustrates the predominance of male homicide victims over female victims; nearly two-thirds of the 128 homicide victims in 1978 were male. Twenty (20.4) percent of the homicide deaths were men in the 15 to 24 age group followed by 17.2 percent in the 35-44 age group. Female homicide victims were quite uniformly distributed by age group. The average age of male homicide victims in 1978 was 34.1 years; that of female victims was 42.4 years. The 1978 homicide rate for Kansas was 5.4, and was 41.3 percent lower than the estimated United States rate of 9.2.

SUICIDES AND HOMICIDES
PERCENT DISTRIBUTION BY AGE GROUP AND SEX
KANSAS, 1978

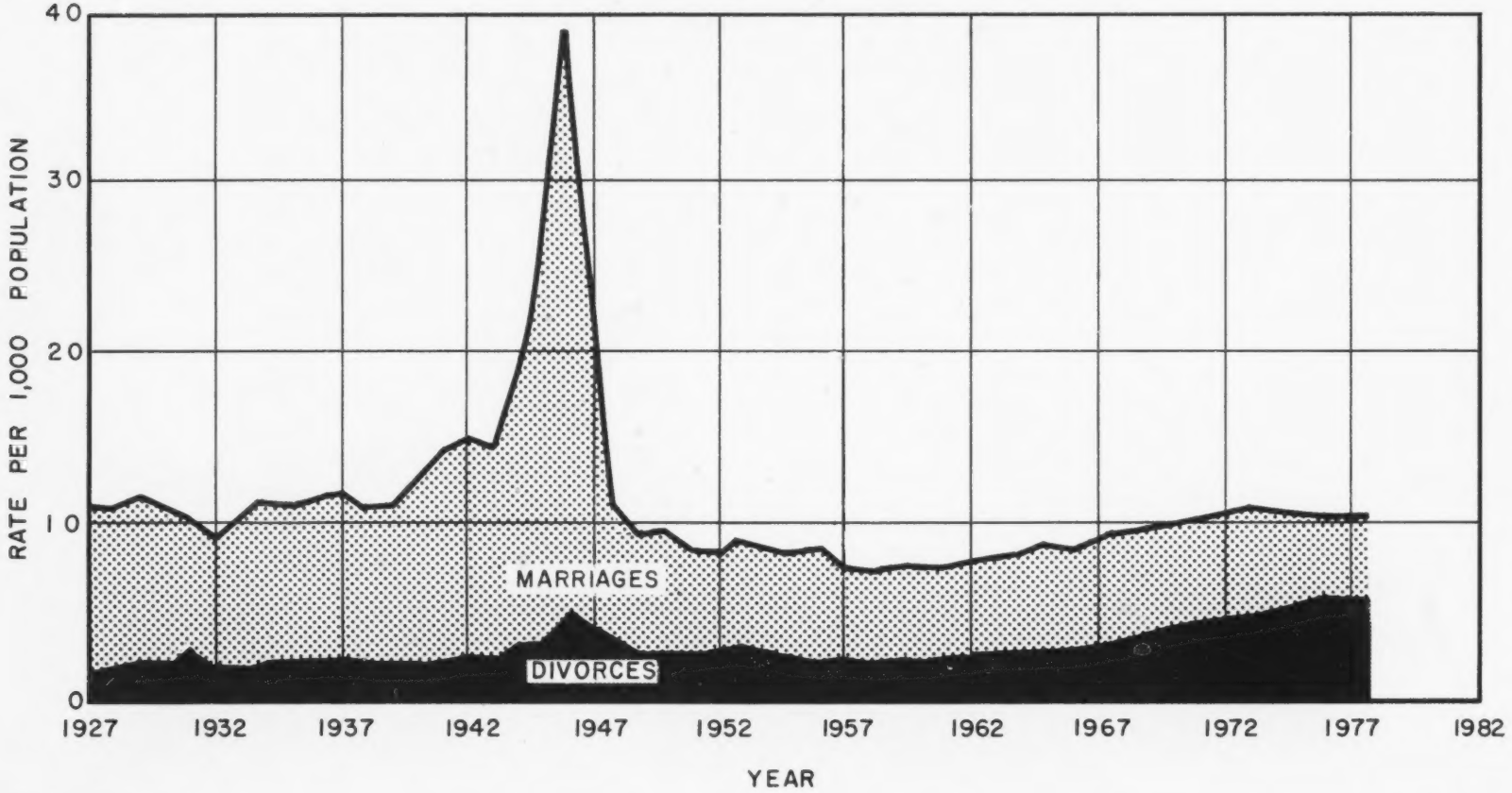


Residence data.

Figure 19

MARRIAGES

MARRIAGE AND DIVORCE RATES
KANSAS, 1927-1978



Occurrence data.

Figure 20

MARRIAGES

In 1978, there were 23,975 marriages performed in Kansas, an increase of 1.3 percent over the 1977 total of 23,673. Nineteen (19.3) percent of the persons who exchanged vows in Kansas in 1978 were residents of other states, while 80.7 percent were Kansas residents. However, the data presented in this summary refer to all marriages which occurred in the State. (The number of marriages performed in each county and corresponding marriage rates appear in Appendix Table 33.)

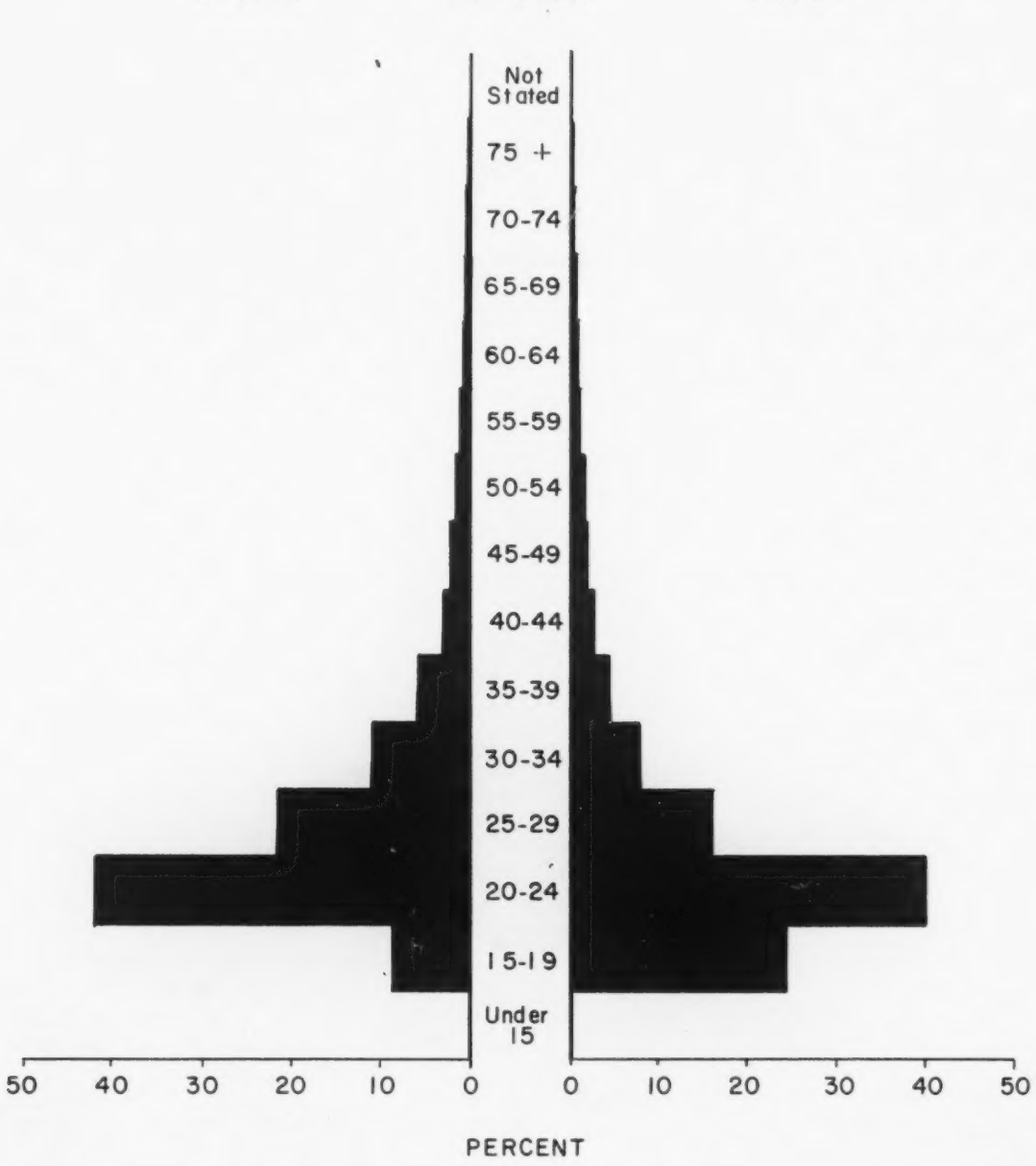
Trends

Following World War II, marriage rates in Kansas reached a record high of 38.8 per thousand population in 1946, as outlined in Figure 20. After falling sharply in the late Forties and during the Korean War in the early 1950's, the rates dipped slightly between 1955 and 1960. In 1961, when the rate was 7.6 per 1,000 population, marriage rates in Kansas began to rise again. Upon reaching 10.0 in 1970, the rates stabilized between 10.0 and 10.7 from 1970 to 1978. In 1978 the Kansas marriage rate was 10.2, 1.0 percent lower than the estimated national rate of 10.3.

Nuptial Age

As illustrated in Figure 21, the highest percentage of those who married in 1978 were between 20 and 24 years of age. Forty percent of the brides and 41.7 percent of the grooms were in that age group. The average age of all brides in 1978 was 25.7; that of grooms was 28.4. Women marrying for the first time averaged 21.4 years of age while first-time grooms averaged 23.8 years. Of those persons who remarried during 1978, women were, on the average, 34.0 years old and men were 37.4 years of age. The number of brides and grooms by age group in 1978 are shown in Table 16. The most common age combination was 19-year-old brides and 20-year-old grooms.

MARRIAGES: PERCENT DISTRIBUTION BY AGE GROUP KANSAS, 1978



Occurrence data.

Figure 21

Table 16
Marriages by Age Group of Groom, by Age Group of Bride
Kansas, 1978

Age Group of Groom	Total	Age Group of Bride														
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75 & Over	Not Stated
Total.....	23,975	9	5,766	9,584	3,797	1,754	999	646	422	323	220	165	134	76	49	31
Under 15....	2	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
15-19.....	2,133	4	1,684	390	37	8	5	1	-	1	-	-	1	-	-	2
20-24.....	9,998	5	3,400	5,777	654	117	19	9	5	-	-	-	-	-	-	12
25-29.....	5,172	-	517	2,489	1,700	347	82	23	3	3	-	-	-	-	-	8
30-34.....	2,413	-	113	640	853	556	180	53	14	-	1	-	-	-	-	3
35-39.....	1,423	-	29	188	361	404	277	121	26	8	4	1	2	-	-	2
40-44.....	820	-	12	50	121	185	218	155	48	24	5	1	-	-	1	-
45-49.....	583	-	1	19	41	92	117	145	106	43	15	3	-	1	-	-
50-54.....	478	-	3	10	18	30	61	83	122	103	37	9	2	-	-	-
55-59.....	296	-	1	4	3	9	25	35	51	73	58	29	5	3	-	-
60-64.....	212	-	-	-	2	2	10	10	32	41	48	45	17	3	2	-
65-69.....	171	-	-	2	2	1	4	8	5	16	30	42	40	16	4	1
70-74.....	133	-	-	-	-	1	-	1	7	9	15	26	42	25	7	-
75 & Over...	107	-	-	-	-	1	-	1	1	1	7	8	25	28	35	-
Not Stated ..	34	-	5	14	5	1	1	1	2	1	-	1	-	-	-	3

Occurrence data.

Premarital Status

Marriages where neither party had been previously married accounted for 13,311, or 55.5 percent of all marriages. Most of those remarrying, 88.5 percent, had been divorced, 10.3 were widowed and 1.2 percent had obtained annulments. Shown in Table 17 are the number of brides and grooms in 1978 by their premarital status.

Table 17
Marriages by Premarital Status of Bride and Groom
Kansas, 1978

Premarital Status of Groom	Total	Premarital Status of Bride			
		Never Married	Divorced	Annulment	Widowed
Total.....	23,975	15,732	7,223	101	919
Never Married..	15,755	13,311	2,271	47	126
Divorced.....	7,344	2,289	4,613	41	401
Annulment	98	43	37	10	8
Widowed	778	89	302	3	384

Seasonality

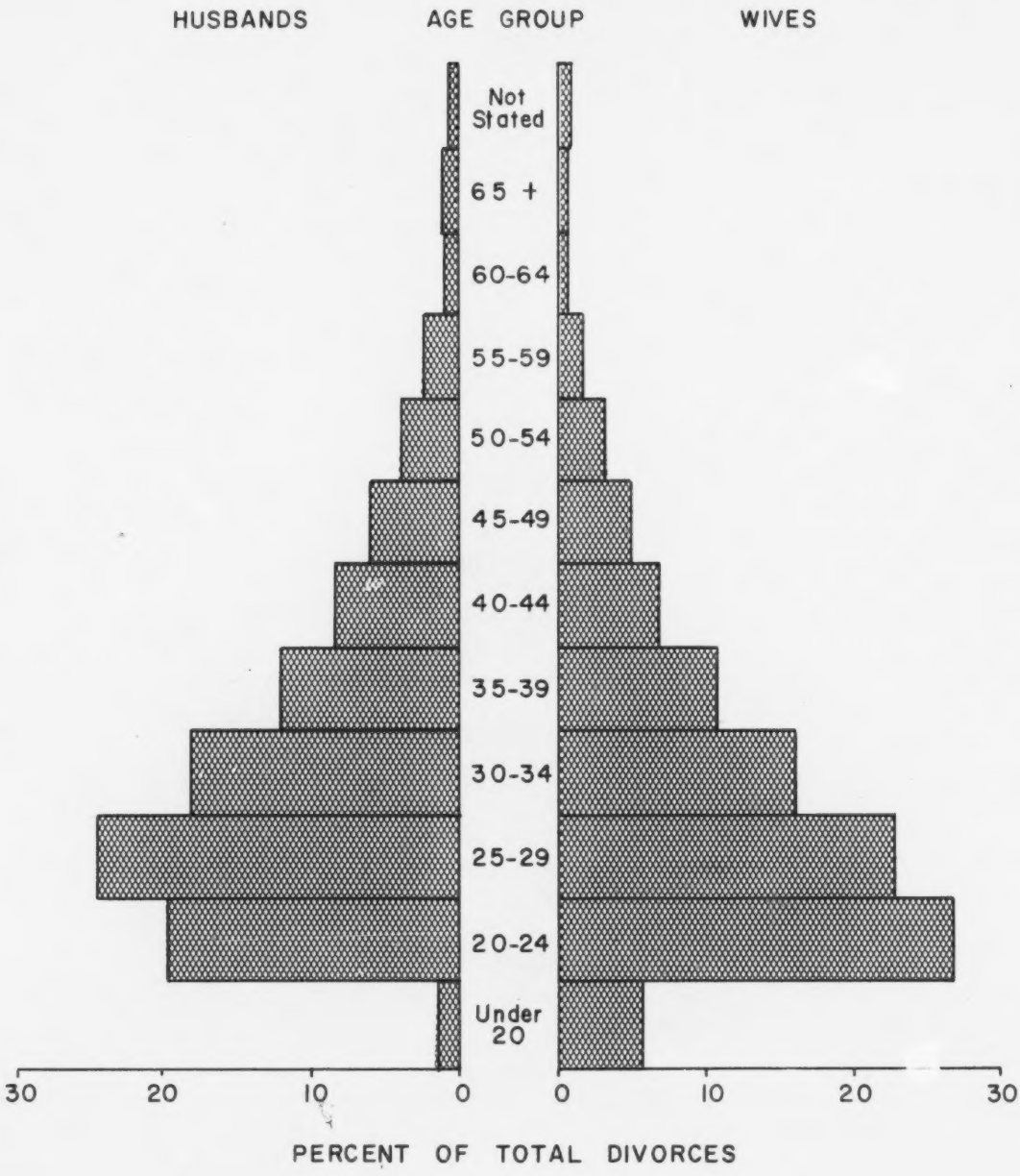
June, traditionally the most popular month for marriage, accounted for the largest percentage (12.5) of the marriages performed in Kansas in 1978. August and July were the second and third most popular months and accounted for 10.5 percent and 9.7 percent, respectively. The distribution of marriages by month of ceremony is presented below.

Marriages: Number and Percent by Month

	Number	Percent
Total.....	23,975	100.0
January.....	1,346	5.6
February....	1,359	5.7
March	1,455	6.1
April	1,855	7.7
May	2,295	9.6
June.....	3,006	12.5
July	2,324	9.7
August.....	2,509	10.5
September...	2,186	9.1
October.....	1,747	7.3
November ...	1,837	7.6
December ...	2,056	8.6

DIVORCES AND ANNULMENTS

DIVORCES: PERCENT DISTRIBUTION BY AGE GROUP KANSAS, 1978



Occurrence data.

Figure 22

DIVORCES AND ANNULMENTS

There were 12,668 marriage dissolutions in Kansas in 1978, an increase of 0.3 percent over the 12,629 granted in 1977. The number of divorces increased from 12,349 in 1977 to 12,413 in 1978, while the number of annulments decreased from 280 to 255.

Whereas a divorce is the dissolution of a legally binding marriage contract, an annulment voids the marriage contract of an invalid marriage. It is therefore as expected that annulments represent a minor portion of all marriage dissolutions in Kansas (2.0 percent in 1978). In many cases annulments have been grouped with divorces for purposes of presentation in this summary. (The total divorces and annulments in each county from 1974 through 1978 are shown by number and rate in Appendix Table 34.)

Trends

Prior to and during World War II the divorce rates remained relatively stable, as shown in Figure 20. In 1946, however, the divorce rate reached a peak of 5.0 per 1,000 population. Following this increase the divorce rates stabilized once again until 1967. Since that time, the divorce rate has increased each year, reaching a high of 5.4 in 1976. In 1978 the Kansas divorce rate was 5.3, 3.9 percent higher than the estimated national rate of 5.1.

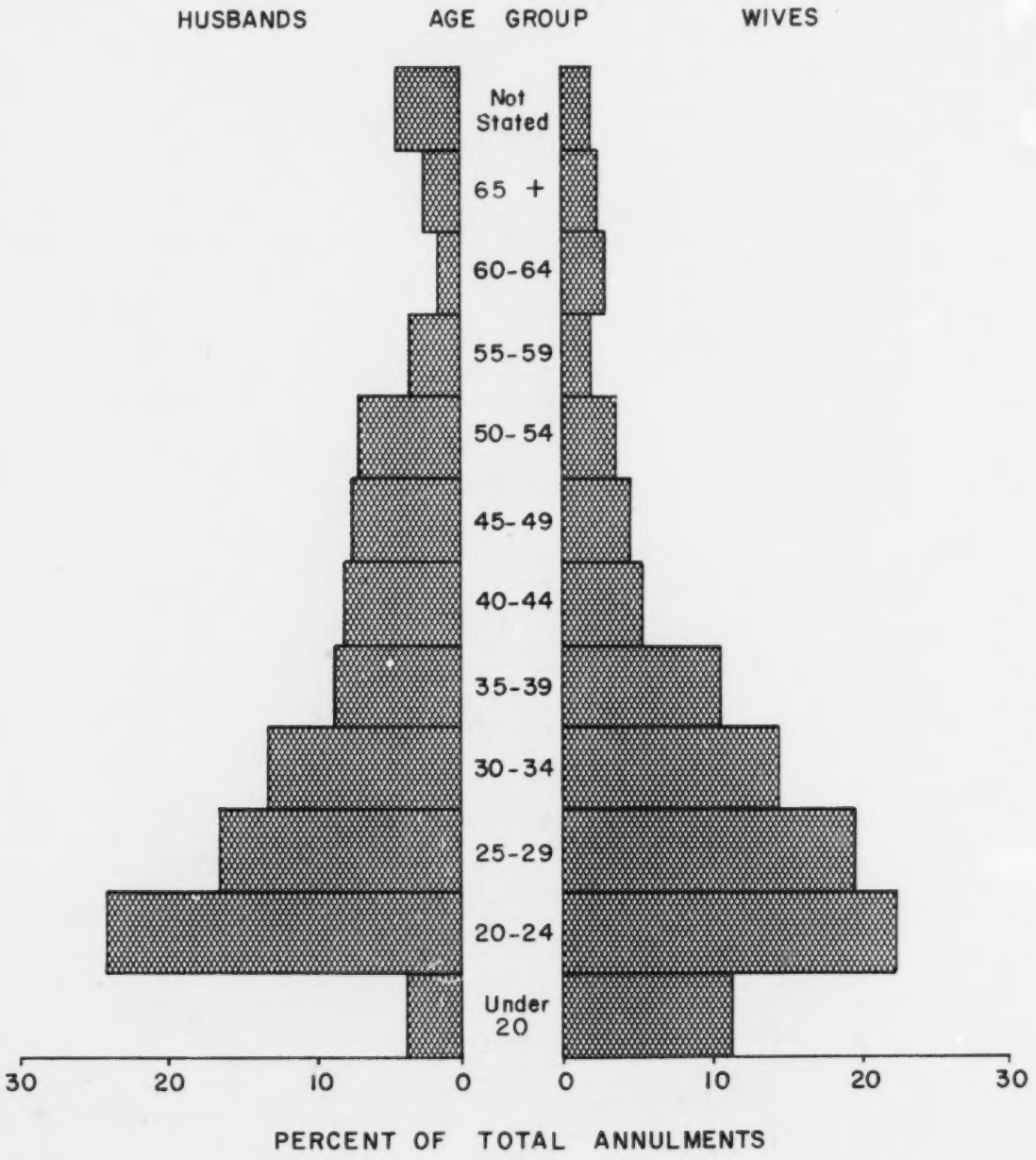
The number of annulments increased from 65 in 1952 to 255 in 1978. The annulment rate per thousand population fluctuated very little, remaining between 0.03 and 0.12 during that time period.

Ages of Spouses

As shown in Figure 22, the most common age groups involved in divorces were those from 20 to 24 and 25 to 29, with the incidence decreasing with the older age groups. For wives, the most prevalent age group was 20-24 years of age, which accounted for 26.7 percent of all newly divorced women; whereas for men the 25-29 year age group was the most prevelant and accounted for 24.4 percent of all newly divorced men. The average age of wives who were divorced was 30.7; that of husbands was 30.2.

The ages between 20 and 24 were the most prevelant ages during which annulments were granted to husbands and wives in 1978. The average age of wives of annulled marriages was 31.6; while that of husbands was 34.4. Illustrated in Figure 23, is the percent distribution of annulments by husbands' and wives' ages.

ANNULMENTS: PERCENT DISTRIBUTION BY AGE GROUP KANSAS, 1978



Occurrence data.

Figure 23

Duration of Marriage

Over half, 55.1 percent, of the marriages dissolved in 1978 were terminated before the sixth year of marriage as outlined in Table 18. Marriages ending in divorce lasted an average of 7.9 years. Couples who received annulments had been married an average of 1.5 years.

Table 18
Divorces and Annulments
By Duration of Marriage in Years
Kansas, 1978

Duration of Marriage	Total Divorces and Annulments	Divorces	Annulments
Total	12,668	12,413	255
Under 1 year	1,044	877	167
1 year	1,507	1,467	40
2 years	1,395	1,379	16
3 years	1,237	1,228	9
4 years	1,064	1,057	7
5 years	832	830	2
6 years	672	668	4
7 years	617	615	2
8 years	526	523	3
9 years	439	438	1
10 years	373	371	2
11 years	302	302	-
12 years	261	261	-
13 years	266	266	-
14 years	191	191	-
15 years	182	182	-
16 years	166	166	-
17 years	164	164	-
18 years	120	120	-
19 years	152	151	1
20-24 years	562	562	-
25-29 years	309	309	-
30-34 years	153	153	-
35-39 years	80	80	-
40 years & over ...	31	31	-
Not Stated	23	22	1

Occurrence data.

Number of Minor Children

As shown in Table 19, 12,445 minor children were involved in the 12,668 divorces and annulments in 1978. At least one minor child was reported in over half, 56.1 percent, of the marriages ending in divorce. Seven percent (7.5) of the annulments involved minor children.

Table 19
Divorces and Annulments by Number and Percent
By Number of Minor Children
Kansas, 1978

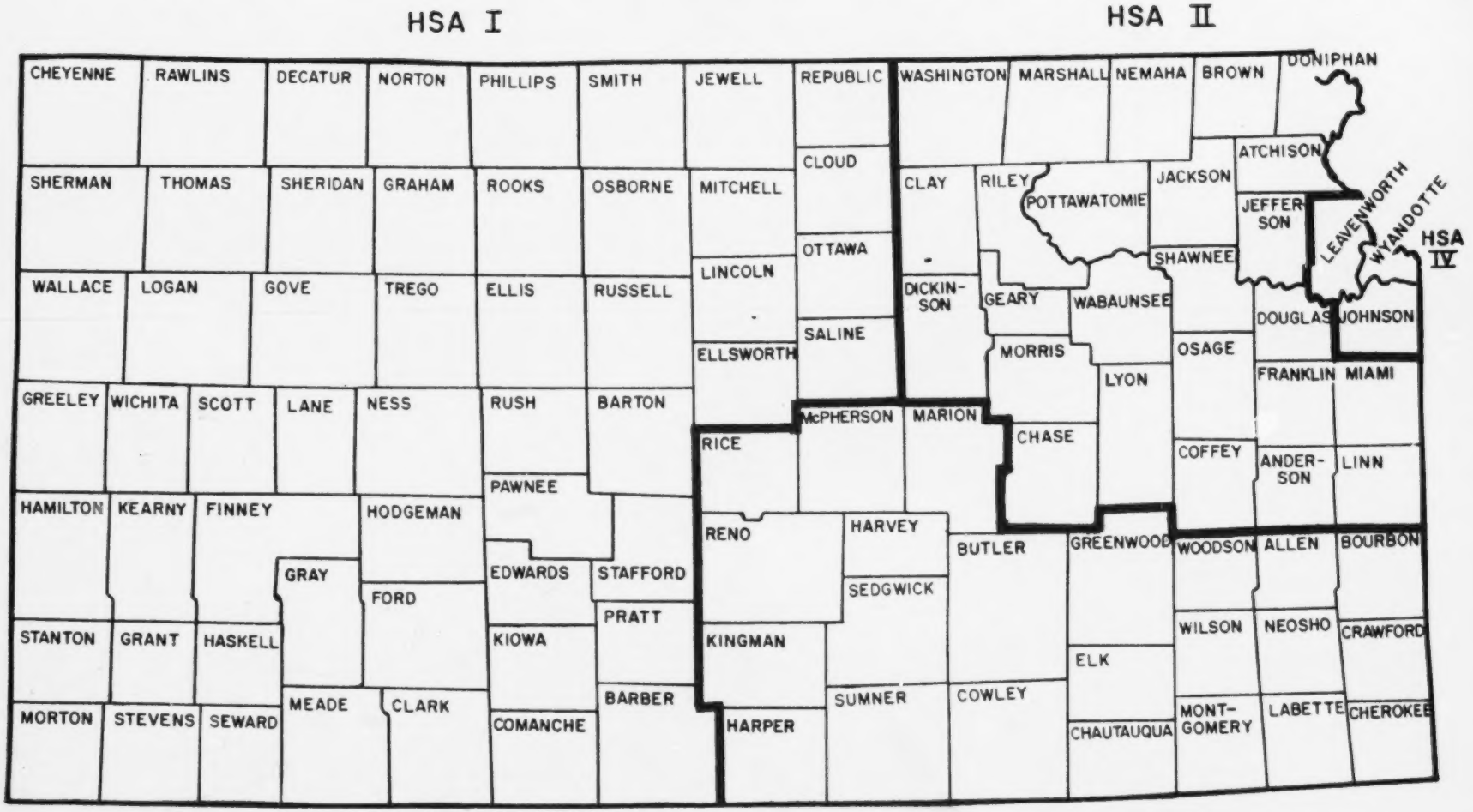
Number of Minor Children Reported	Divorces		Annulments		Total Children
	Number	Percent	Number	Percent	Number*
Total	12,413	100.0	255	100.0	12,445
None	5,253	42.3	233	91.4	-
1	3,258	26.2	10	3.9	3,268
2	2,457	19.8	5	2.0	4,924
3	898	7.2	2	0.8	2,700
4 or More	355	2.9	2	0.8	1,553
Not Stated	192	1.6	3	1.2	n/a

Occurrence data.

*This represents the number of children reported in marriages ending in divorce or annulment.

APPENDIX

HEALTH SERVICE AREAS*
KANSAS



NOTE:
HSA IV includes Cass, Clay, Jackson, Platte and Ray counties in Missouri.
*Current Health Service Area alignment was effective April 11, 1977

Figure 25

Table 20
Vital Statistics by Health Service Area
Kansas, 1978

Vital Statistic	Kansas	HSA I	HSA II	HSA III	HSA IV
Population	2,359,262	442,726	596,840	829,779	489,917
Population Density	28.8	9.6	37.0	44.7	447.8
Live Births	36,581	6,801	9,505	12,837	7,438
Birth Rate	15.5	15.4	15.9	15.5	15.2
Premature Births	2,309	383	571	863	492
Premature Birth Ratio	6.3	5.6	6.0	6.7	6.6
Out-of-Wedlock Births	4,183	519	930	1,609	1,125
Out-of-Wedlock Birth Ratio	11.4	7.6	9.8	12.5	15.1
Induced Abortions	5,722*	570	1,483	2,024	1,641
Abortion Ratio	156.4	83.8	156.0	157.7	220.6
Fetal Deaths	331	58	86	116	71
Fetal Death Rate	9.0	8.5	9.0	9.0	9.5
Hebdomadal Deaths	254	46	59	86	63
Perinatal Deaths	585	104	145	202	134
Infant Deaths	440	82	109	153	96
Maternal Deaths	8	3	1	3	1
Deaths (Total)	21,566	4,245	5,504	8,279	3,538
Death Rate	9.1	9.6	9.2	10.0	7.2
Marriages	23,975	4,468	6,032	8,943	4,532
Marriage Rate	10.2	10.1	10.1	10.8	9.3
Divorces and Annulments	12,668	1,927	2,898	5,611	2,232
Divorce and Annulment Rate	5.4	4.4	4.9	6.8	4.6

*Four were unknown as to county of residence.

Residence data are presented for births, deaths and abortions.
Occurrence data are presented for marriages, divorces and annulments.

Table 21
Selected Causes of Death by Health Service Area
Kansas, 1978

Cause of Death (ICDA Code)	Kansas		HSA I		HSA II		HSA III		HSA IV	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
All Causes	21,566	914.1	4,245	958.8	5,504	922.2	8,279	997.7	3,538	722.2
Enteritis and Other Diarrheal Diseases (008, 009)	26	1.1	2	0.5	8	1.3	11	1.3	5	1.0
Tuberculosis, all forms (010-019)	22	0.9	2	0.5	3	0.5	15	1.8	2	0.4
Septicemia (038)	83	3.5	15	3.4	24	4.0	25	3.0	19	3.9
Syphilis and its Sequelae (090-097)	4	0.2	1	0.2	-	-	3	0.4	-	-
Malignant Neoplasms (140-209)	4,227	179.2	838	189.3	1,010	169.2	1,652	199.1	727	148.4
Diabetes Mellitus (250)	392	16.6	85	19.2	99	16.6	145	17.5	63	12.9
Heart Disease (390-398, 402, 404, 410-429)	8,097	343.2	1,630	368.2	2,056	344.5	3,115	375.4	1,296	264.5
Hypertension (400-401, 403)	60	2.5	10	2.3	18	3.0	25	3.0	7	1.4
Cerebrovascular Disease (430-438)	2,129	90.2	402	90.8	582	97.5	844	101.7	301	61.4
Gen'l Arteriosclerosis (440)	439	18.6	85	19.2	147	24.6	161	19.4	46	9.4
Influenza and Pneumonia (470-474, 480-486)	784	33.2	180	40.7	224	37.5	289	34.8	91	18.6
Bronchitis, Emphysema and Asthma (490-493)	205	8.7	36	8.1	53	8.9	86	10.4	30	6.1
Peptic Ulcer (531-533)	66	2.8	10	2.3	19	3.2	29	3.5	8	1.6
Cirrhosis of Liver (571)	188	8.0	37	8.4	44	7.4	83	10.0	24	4.9
Nephritis and Nephrosis (580-589)	80	3.4	13	2.9	20	3.4	33	4.0	14	2.9
Infections of Kidney (590)	36	1.5	11	2.5	9	1.5	10	1.2	6	1.2
Congenital Anomalies (740-759)	159	6.7	33	7.5	39	6.5	56	6.7	31	6.3
Certain Causes of Mortality in Early Infancy (760-772, 774-779)	190	8.1	27	6.1	45	7.5	65	7.8	53	10.8
Accidental Deaths (E800-E949)	1,217	51.6	248	56.0	305	51.1	465	56.0	199	40.6
Motor-Vehicle Accidents (E810-E823)	597	25.3	129	29.1	135	22.6	240	28.9	93	19.0
Suicide (E950-E959)	264	11.2	46	10.4	69	11.6	101	12.2	48	9.8
Homicide (E960-E969)	128	5.4	12	2.7	30	5.0	46	5.5	40	8.2
All Other Causes (residual)	2,770	117.4	552	117.9	700	117.3	1,020	122.9	528	107.8

Residence data.

Table 22
Population by County
Kansas, 1974-1978

County of Residence	Year				
	1974	1975	1976	1977	1978
Kansas	2,299,220	2,314,479	2,327,471	2,341,261	2,359,262
Allen	15,333	15,455	15,822	15,668	16,019
Anderson	8,577	8,539	8,414	8,314	8,332
Atchison	21,044	21,288	20,752	21,494	20,562
Barber	6,986	6,880	6,882	6,659	6,614
Barton	34,385	36,102	36,289	37,090	37,881
Bourbon	16,067	15,740	15,847	16,750	16,613
Brown	13,136	13,061	12,994	12,956	12,658
Butler	38,718	39,522	40,909	42,140	44,211
Chase	3,587	3,554	3,525	3,406	3,343
Chautauqua	5,192	5,051	5,050	5,046	5,056
Cherokee	22,720	22,532	23,073	22,507	23,789
Cheyenne	4,044	4,005	4,097	4,016	3,976
Clark	2,813	2,833	2,859	2,757	2,716
Clay	10,055	10,139	10,134	10,035	10,015
Cloud	13,965	14,072	14,090	14,076	13,850
Coffey	8,287	8,282	7,875	8,016	8,094
Comanche	2,847	2,839	2,796	2,854	2,685
Cowley	34,872	34,800	35,125	35,381	35,304
Crawford	38,260	38,127	37,991	37,934	38,233
Decatur	5,089	5,036	5,006	4,933	4,880
Dickinson	23,974	21,927	22,134	22,570	22,687
Doniphan	10,021	10,094	10,030	10,015	9,728
Douglas	55,643	63,833	60,592	62,842	65,852
Edwards	4,630	4,507	4,612	4,456	4,385
Elk	4,119	4,042	4,055	4,004	4,011
Ellis	23,582	24,293	24,480	25,108	25,528
Ellsworth	7,204	7,232	7,171	7,288	7,104
Finney	22,958	23,323	25,190	26,195	28,757
Ford	24,474	24,495	24,667	25,009	25,015
Franklin	20,796	20,591	20,798	21,280	21,399
Geary	24,137	24,474	25,058	23,415	23,275
Gove	4,042	4,000	3,981	3,985	3,922
Graham	4,591	4,630	4,582	4,498	4,488
Grant	7,010	7,055	7,198	7,342	7,253
Gray	4,873	4,943	5,162	5,231	5,165
Greeley	2,149	2,210	2,272	2,198	2,091
Greenwood	9,254	9,154	9,114	9,091	8,916
Hamilton	3,037	3,076	3,124	3,139	3,075
Harper	8,191	8,140	8,014	8,029	8,021
Harvey	28,106	28,934	29,154	28,890	28,748
Haskell	4,032	4,096	4,183	4,193	4,117
Hodgeman	2,757	2,744	2,696	2,650	2,578
Jackson	11,245	11,288	11,478	11,651	11,609
Jefferson	12,821	12,816	13,276	13,943	14,119
Jewell	6,095	6,006	5,919	5,859	5,794
Johnson	239,225	241,781	243,938	250,947	256,259
Kearny	3,136	3,307	3,336	3,399	3,455
Kingman	10,072	10,043	10,054	10,070	9,758
Kiowa	4,065	4,030	4,161	4,256	4,161
Labette	25,600	25,274	24,556	25,092	24,985
Lane	2,966	2,842	2,835	2,857	2,790
Leavenworth	49,794	50,702	51,267	51,765	52,354
Lincoln	4,770	4,793	4,796	4,749	4,629
Linn	8,374	8,364	8,262	8,300	8,515
Logan	3,761	3,806	3,899	3,778	3,656

Table 22 (cont.)
Population by County
Kansas, 1974-1978

County of Residence	Year				
	1974	1975	1976	1977	1978
Lyon	30,031	31,133	32,841	34,277	36,192
Marion	15,818	16,209	16,139	16,518	16,219
Marshall	13,952	13,919	13,936	13,568	13,427
McPherson	25,099	25,167	25,458	25,783	26,045
Meade	5,070	5,058	5,070	5,088	5,023
Miami	20,959	20,906	20,562	21,234	21,934
Mitchell	8,220	8,115	8,100	8,046	8,122
Montgomery	42,481	42,741	43,010	43,493	43,948
Morris	6,981	6,895	6,958	6,885	6,773
Morton	3,575	3,495	3,510	3,492	3,464
Nemaha	12,266	12,104	12,112	12,082	12,001
Neosho	18,459	17,782	17,726	17,862	18,245
Ness	4,645	4,653	4,541	4,799	4,689
Norton	7,387	7,213	7,099	7,097	7,273
Osage	13,537	13,368	13,614	13,798	14,261
Osborne	6,497	6,371	6,351	6,323	6,239
Ottawa	6,419	6,419	6,387	6,373	6,330
Pawnee	8,193	8,068	8,026	7,970	7,825
Phillips	8,338	8,287	8,260	8,330	8,009
Pottawatomie	12,759	13,035	13,439	13,693	14,376
Pratt	9,551	9,148	9,722	9,792	9,752
Rawlins	4,397	4,301	4,321	4,257	4,166
Reno	69,424	64,900	65,276	65,092	65,548
Republic	8,343	8,272	8,350	8,267	8,165
Rice	11,786	11,681	11,700	12,006	11,940
Riley	40,121	41,029	41,799	41,983	41,827
Rooks	7,172	7,313	7,471	7,281	7,398
Rush	5,206	5,299	5,227	5,115	4,957
Russell	9,492	9,707	9,661	9,484	9,404
Saline	46,463	47,596	49,948	48,473	47,318
Scott	6,273	6,453	6,725	6,933	6,624
Sedgwick	335,641	339,223	342,403	341,660	341,881
Seward	16,383	16,644	16,683	17,094	17,332
Shawnee	171,760	173,418	174,819	177,960	180,034
Sheridan	3,873	3,856	3,735	3,820	3,843
Sherman	8,073	8,424	8,473	8,518	8,130
Smith	6,724	6,588	6,500	6,529	6,431
Stafford	6,137	6,207	6,204	6,140	6,185
Stanton	2,476	2,523	2,646	2,740	2,495
Stevens	4,614	4,865	4,511	4,754	4,728
Sumner	24,056	24,166	23,975	24,166	24,371
Thomas	7,823	7,826	8,123	8,335	8,225
Trego	4,558	4,564	4,496	4,543	4,433
Wabaunsee	6,879	6,746	6,711	6,816	6,771
Wallace	2,242	2,228	2,246	2,269	2,232
Washington	9,404	9,319	9,131	9,065	9,056
Wichita	3,678	3,697	3,641	3,471	3,369
Wilson	13,776	14,217	12,992	12,380	13,205
Woodson	5,014	4,796	4,709	4,700	4,713
Wyandotte	189,714	187,833	186,560	180,781	181,304

Source: County Appraisers' population reports to the Kansa Board of Agricu ure.

Table 23
Live Births by Number and Rate
By County of Residence
Kansas, 1974-1978

County of Residence	Year									
	1974		1975		1976		1977		1978	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Kansas	32,712	14.2	33,707	14.6	35,278	15.2	36,827	15.7	36,581	15.5
Allen	190	12.4	206	13.3	203	12.8	265	16.9	228	14.2
Anderson	119	13.9	113	13.2	113	13.4	118	14.2	133	16.0
Atchison	269	12.8	293	13.8	277	13.3	275	12.8	287	14.0
Barber	75	10.7	91	13.2	87	12.6	94	14.1	84	12.7
Barton	429	12.5	469	13.0	470	13.0	496	13.4	544	14.4
Bourbon	215	13.4	217	13.8	205	12.9	233	13.9	223	13.4
Brown	136	10.4	150	11.5	167	12.9	177	13.7	196	15.5
Butler	481	12.4	537	13.6	589	14.4	623	14.8	688	15.6
Chase	41	11.4	41	11.5	39	11.1	34	10.0	47	14.1
Chautauqua	37	7.1	52	10.3	43	8.5	43	8.5	41	8.1
Cherokee	258	11.4	290	12.9	280	12.1	305	13.6	303	12.7
Cheyenne	49	12.1	53	13.2	43	10.5	56	13.9	54	13.6
Clark	16	5.7	27	9.5	27	9.4	26	9.4	23	8.5
Clay	113	11.2	146	14.4	132	13.0	133	13.3	151	15.1
Cloud	153	11.0	155	11.0	141	10.0	184	13.1	169	12.2
Coffey	97	11.7	77	9.3	88	11.2	112	14.0	115	14.2
Comanche	31	10.9	16	5.6	30	10.7	24	8.4	24	8.9
Cowley	427	12.2	408	11.7	461	13.1	513	14.5	526	14.9
Crawford	435	11.4	432	11.3	486	12.8	480	12.7	447	11.7
Decatur	55	10.8	59	11.7	71	14.2	53	10.7	55	11.3
Dickinson	286	11.9	271	12.4	295	13.3	302	13.4	301	13.3
Doniphan	127	12.7	135	13.4	142	14.2	125	12.5	135	13.9
Douglas	788	14.2	780	12.2	797	13.2	807	12.8	891	13.5
Edwards	55	11.9	69	15.3	69	15.0	70	15.7	60	13.7
Elk	26	6.3	43	10.6	33	8.1	47	11.7	34	8.5
Ellis	376	15.9	380	15.6	444	18.1	441	17.6	492	19.3
Ellsworth	88	12.2	73	10.1	76	10.6	81	11.1	80	11.3
Finney	399	17.4	445	19.1	525	20.8	494	18.9	501	17.4
Ford	366	15.0	399	16.3	420	17.0	428	17.1	425	17.0
Franklin	288	13.8	280	13.6	302	14.5	348	16.4	297	13.9
Geary	1,014	42.0	1,020	41.7	1,140	45.5	1,318	56.3	1,328	57.1
Gove	53	13.1	71	17.8	52	13.1	55	13.8	82	20.9
Graham	59	12.8	58	12.5	52	11.3	70	15.6	64	14.3
Grant	132	18.8	146	20.7	159	22.1	158	21.5	178	24.5
Gray	82	16.8	105	21.2	115	22.3	117	22.4	93	18.0
Greeley	30	14.0	27	12.2	33	14.5	45	20.5	30	14.3
Greenwood	81	8.8	110	12.0	112	12.3	123	13.5	107	12.0
Hamilton	36	11.8	41	13.3	50	16.0	27	8.6	35	11.4
Harper	98	12.0	85	10.4	96	12.0	107	13.3	78	9.7
Harvey	400	14.2	438	15.1	444	15.2	426	14.7	443	15.4
Haskell	84	20.8	73	17.8	89	21.3	91	21.7	91	22.1
Hodgeman	30	10.9	29	10.6	39	14.5	32	12.1	29	11.2
Jackson	153	13.6	148	13.1	161	14.0	208	17.9	167	14.4
Jefferson	167	13.0	147	11.5	190	14.3	208	14.9	202	14.3
Jewell	46	7.6	56	9.3	64	10.8	88	15.0	75	12.9
Johnson	3,148	13.2	3,154	13.0	3,300	13.5	3,625	14.4	3,560	13.9
Kearny	60	19.1	62	18.7	76	22.8	72	21.2	81	23.4
Kingman	94	9.3	106	10.6	134	13.3	121	12.0	117	12.0
Kiowa	41	10.1	61	15.1	70	16.8	63	14.8	56	13.5
Labette	342	13.4	334	13.2	338	13.8	370	14.7	352	14.1
Lane	35	11.8	38	13.4	38	13.4	49	17.2	41	14.7
Leavenworth	734	14.7	723	14.3	736	14.4	725	14.0	785	15.0
Lincoln	57	12.0	46	9.6	78	16.3	43	9.1	60	13.0
Linn	104	12.4	115	13.7	119	14.4	119	14.3	105	12.3
Logan	52	13.8	68	17.9	60	15.4	60	15.9	58	15.9

Table 23 (cont.)
Live Births by Number and Rate
By County of Residence
Kansas, 1974-1978

County of Residence	Year									
	1974		1975		1976		1977		1978	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Lyon	514	17.1	494	15.9	520	15.8	570	16.6	575	15.9
Marion	135	8.5	161	9.9	130	8.1	151	9.1	175	10.8
Marshall	168	12.0	157	11.3	160	11.5	194	14.3	185	13.8
McPherson	301	12.0	322	12.8	379	14.9	381	14.8	400	15.4
Meade	57	11.2	69	13.6	62	12.2	79	15.5	73	14.5
Miami	279	13.3	325	15.5	294	14.3	326	15.4	295	13.4
Mitchell	106	12.9	133	16.4	137	16.9	130	16.2	118	14.5
Montgomery	488	11.5	518	12.1	570	13.3	620	14.3	611	13.9
Morris	84	12.0	84	12.2	100	14.4	90	13.1	78	11.5
Morton	66	18.5	63	18.0	71	10.2	72	20.6	48	13.9
Nemaha	156	12.7	162	13.4	159	13.1	189	15.6	714	14.5
Neosho	266	14.4	256	14.4	279	15.7	282	15.8	279	15.3
Ness	54	11.6	64	13.8	64	14.1	71	14.8	75	16.0
Norton	73	9.9	77	10.7	73	10.3	93	13.1	72	9.9
Osage	170	12.6	170	12.7	195	14.3	214	15.5	183	12.8
Osborne	59	9.1	76	11.9	81	12.8	78	12.3	63	10.1
Ottawa	68	10.6	73	11.4	70	11.0	83	13.0	76	12.0
Pawnee	120	14.6	115	14.3	105	13.1	138	17.3	109	13.9
Phillips	113	13.6	95	11.5	123	14.9	91	10.9	92	11.5
Pottawatomie	178	14.0	202	15.5	209	15.6	241	17.6	258	17.9
Pratt	110	11.5	138	15.1	142	14.6	144	14.7	164	16.8
Rawlins	49	11.1	58	13.5	57	13.2	64	15.0	62	14.9
Reno	887	12.8	940	14.5	886	13.6	999	15.3	1,002	15.3
Republic	96	11.5	75	9.1	96	11.5	107	12.9	74	9.1
Rice	130	11.0	136	11.6	175	15.0	190	15.8	187	15.7
Riley	862	21.5	915	22.3	999	23.9	886	21.1	863	20.6
Rooks	78	10.9	115	15.7	92	12.3	122	16.8	111	15.0
Rush	36	6.9	59	11.1	56	10.7	60	11.7	55	11.1
Russell	90	9.5	104	10.7	114	11.8	118	12.4	120	12.8
Saline	681	14.7	708	14.9	714	14.3	738	15.2	742	15.7
Scott	103	16.4	98	15.2	110	16.4	106	15.3	107	16.2
Sedgwick	5,781	17.2	5,933	17.5	6,138	17.9	6,138	18.0	6,031	17.6
Seward	297	18.1	344	20.7	332	19.9	344	20.1	345	19.9
Shawnee	2,133	12.4	2,110	12.2	2,205	12.6	2,297	12.9	2,319	12.9
Sheridan	60	15.5	47	12.2	66	17.7	62	16.2	64	16.7
Sherman	132	16.4	163	19.3	169	19.9	147	17.3	131	16.1
Smith	71	10.6	75	11.4	79	12.2	79	12.1	85	13.2
Stafford	71	11.6	67	10.8	64	10.3	76	12.4	86	13.9
Stanton	42	17.0	55	21.8	51	19.3	58	21.2	35	14.0
Stevens	79	17.1	91	18.7	82	18.2	92	19.4	90	19.0
Sumner	312	13.0	340	14.1	346	14.4	365	15.1	342	14.0
Thomas	119	15.2	135	17.3	136	16.7	158	19.0	149	18.1
Trego	52	11.4	59	12.9	60	13.3	62	13.6	62	14.0
Wabaunsee	82	11.9	79	11.7	81	12.1	79	11.6	94	13.9
Wallace	30	13.4	40	18.0	33	14.7	40	17.6	38	17.0
Washington	116	12.3	115	12.3	124	13.6	103	11.4	126	13.9
Wichita	52	14.1	60	16.2	89	24.4	77	22.2	71	21.1
Wilson	136	9.9	128	9.0	167	12.9	176	14.2	167	12.6
Woodson	31	6.2	53	11.1	53	11.3	60	12.8	56	11.9
Wyandotte	2,982	15.7	2,883	15.3	2,981	16.0	3,080	17.0	3,093	17.1

Table 24
Live Births by Age Group of Mother by County of Residence
Kansas, 1978

County of Residence	Total	Age Group of Mother								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	N.S.
Kansas	36,581	72	5,747	13,936	11,168	4,416	1,061	165	16	-
Allen	228	-	42	93	59	26	7	1	-	-
Anderson	133	-	20	51	35	19	6	1	1	-
Atchison	287	-	44	114	87	31	8	3	-	-
Barber	84	-	15	34	23	7	5	-	-	-
Barton	544	1	83	217	163	60	15	4	1	-
Bourbon	223	-	46	92	55	20	9	1	-	-
Brown	196	1	31	72	68	23	1	-	-	-
Butler	688	1	118	278	187	76	24	4	-	-
Chase	47	-	6	21	13	6	1	-	-	-
Chautauqua	41	-	14	13	9	5	-	-	-	-
Cherokee	303	-	57	132	77	26	10	1	-	-
Cheyenne	54	-	11	17	16	8	1	1	-	-
Clark	23	-	1	5	12	4	1	-	-	-
Clay	151	-	22	63	36	27	3	-	-	-
Cloud	169	-	24	75	54	11	5	-	-	-
Coffey	115	-	16	54	34	8	2	-	1	-
Comanche	24	-	3	7	7	6	1	-	-	-
Cowley	526	-	97	219	138	64	8	-	-	-
Crawford	447	-	66	177	137	45	20	2	-	-
Decatur	55	-	8	24	17	5	1	-	-	-
Dickinson	301	-	43	123	84	41	9	1	-	-
Doniphan	135	-	20	63	34	12	6	-	-	-
Douglas	891	1	88	307	341	122	29	3	-	-
Edwards	60	-	8	24	19	9	-	-	-	-
Elk	34	-	7	12	9	5	1	-	-	-
Ellis	492	1	52	199	169	58	9	2	2	-
Ellsworth	80	-	11	26	29	12	1	-	1	-
Finney	501	3	97	177	149	52	20	2	1	-
Ford	425	1	69	172	117	50	11	5	-	-
Franklin	297	-	50	109	92	34	12	-	-	-
Geary	1,328	2	279	656	283	89	17	2	-	-
Gove	82	-	10	38	25	7	1	1	-	-
Graham	64	-	6	32	17	6	1	2	-	-
Grant	178	1	45	60	55	14	3	-	-	-
Gray	93	-	9	39	34	9	1	1	-	-
Greeley	30	-	5	14	7	3	1	-	-	-
Greenwood	107	-	28	31	29	17	2	-	-	-
Hamilton	35	-	7	14	12	2	-	-	-	-
Harper	78	-	16	32	24	5	1	-	-	-
Harvey	443	-	48	190	143	50	12	-	-	-
Haskell	91	-	9	35	37	8	2	-	-	-
Hodgeman	29	-	5	14	6	2	2	-	-	-
Jackson	167	-	15	61	55	25	10	1	-	-
Jefferson	202	1	22	80	59	34	6	-	-	-
Jewell	75	-	8	33	21	12	1	-	-	-
Johnson	3,560	3	264	910	1,466	768	134	15	-	-
Kearny	81	-	24	21	20	13	2	1	-	-
Kingman	117	-	21	42	34	15	3	2	-	-
Kiowa	56	-	2	15	23	12	2	1	1	-
Labette	352	1	77	147	92	26	9	-	-	-
Lane	41	-	7	9	15	7	3	-	-	-
Leavenworth	785	2	110	280	239	113	32	8	1	-
Lincoln	60	-	5	24	24	5	2	-	-	-
Linn	105	-	16	34	36	16	3	-	-	-
Logan	58	-	11	24	15	7	1	-	-	-

Table 24 (cont.)
Live Births by Age Group of Mother by County of Residence
Kansas, 1978

County of Residence	Total	Age Group of Mother								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	N.S.
Lyon	575	1	65	226	203	66	13	-	1	-
Marion	175	-	21	50	69	28	7	-	-	-
Marshall	185	2	20	74	52	28	8	1	-	-
McPherson	400	-	43	164	133	45	12	3	-	-
Meade	73	-	11	33	20	6	3	-	-	-
Miami	295	-	47	122	89	30	6	1	-	-
Mitchell	118	-	11	50	35	18	3	1	-	-
Montgomery	611	2	133	258	140	59	18	1	-	-
Morris	78	-	13	41	13	9	2	-	-	-
Morton	48	-	8	20	13	6	1	-	-	-
Nemaha	174	-	19	71	52	23	8	-	1	-
Neosho	279	1	53	104	81	29	11	-	-	-
Ness	75	-	8	25	30	8	4	-	-	-
Norton	72	-	12	23	29	5	2	1	-	-
Osage	183	-	25	75	55	22	5	1	-	-
Osborne	63	-	6	25	14	13	5	-	-	-
Ottawa	76	1	12	26	20	13	3	1	-	-
Pawnee	109	-	16	40	40	13	-	-	-	-
Phillips	92	-	10	32	34	11	5	-	-	-
Pottawatomie	258	-	32	107	73	37	8	1	-	-
Pratt	164	-	28	73	44	18	1	-	-	-
Rawlins	62	-	9	25	19	7	1	1	-	-
Reno	1,002	2	149	419	317	102	11	2	-	-
Republic	74	-	10	29	24	7	4	-	-	-
Rice	187	-	31	74	48	27	7	-	-	-
Riley	863	1	138	349	268	84	21	2	-	-
Rooks	111	-	11	49	33	13	4	1	-	-
Rush	55	-	7	23	17	5	1	2	-	-
Russell	120	-	23	44	38	11	3	1	-	-
Saline	742	4	123	262	247	80	21	5	-	-
Scott	107	1	15	51	31	6	2	1	-	-
Sedgwick	6,031	13	1,000	2,326	1,796	674	188	32	2	-
Seward	345	1	61	162	91	23	6	1	-	-
Shawnee	2,319	5	368	818	765	288	60	14	1	-
Sheridan	64	-	6	26	16	9	6	1	-	-
Sherman	131	-	23	57	35	13	2	1	-	-
Smith	85	-	19	37	21	7	1	-	-	-
Stafford	86	1	19	30	25	9	2	-	-	-
Stanton	35	-	7	17	4	5	2	-	-	-
Stevens	90	-	11	40	27	11	1	-	-	-
Sumner	342	-	74	143	83	29	10	3	-	-
Thomas	149	1	17	62	46	19	3	1	-	-
Trego	62	-	6	32	16	5	3	-	-	-
Wabaunsee	94	-	6	37	25	21	2	3	-	-
Wallace	38	-	3	14	17	4	-	-	-	-
Washington	126	-	20	38	47	12	7	2	-	-
Wichita	71	-	12	24	22	8	3	1	1	-
Wilson	167	1	36	60	44	23	1	2	-	-
Woodson	56	-	16	15	19	5	1	-	-	-
Wyandotte	3,093	16	716	1,229	747	285	86	13	1	-

Table 25
Out-of-Wedlock Births by Age Group of Mother
By County of Residence of Mother
Kansas, 1978

County of Residence	Total	Age Group of Mother								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	N.S.
Kansas	4,183	64	1,978	1,464	458	158	55	5	-	-
Allen	24	-	15	8	-	1	-	-	-	-
Anderson	8	-	7	1	-	-	-	-	-	-
Atchison	36	-	16	11	7	1	1	-	-	-
Barber	7	-	3	3	-	1	-	-	-	-
Barton	34	-	20	10	2	1	-	1	-	-
Bourbon	25	-	16	6	2	-	-	1	-	-
Brown	15	1	7	5	2	-	-	-	-	-
Butler	62	-	32	20	9	1	-	-	-	-
Chase	2	-	-	2	-	-	-	-	-	-
Chautauqua	6	-	4	2	-	-	-	-	-	-
Cherokee	33	-	12	16	5	-	-	-	-	-
Cheyenne	4	-	2	-	1	1	-	-	-	-
Clark	-	-	-	-	-	-	-	-	-	-
Clay	5	-	3	2	-	-	-	-	-	-
Cloud	10	-	8	1	1	-	-	-	-	-
Coffey	6	-	3	3	-	-	-	-	-	-
Comanche	1	-	-	1	-	-	-	-	-	-
Cowley	68	34	20	8	6	-	-	-	-	-
Crawford	46	-	21	18	7	-	-	-	-	-
Decatur	3	-	3	-	-	-	-	-	-	-
Dickinson	19	-	10	5	3	-	1	1	-	-
Doniphan	11	-	6	4	1	-	-	-	-	-
Douglas	79	1	29	32	13	4	-	-	-	-
Edwards	4	-	-	3	-	1	-	-	-	-
Elk	-	-	-	-	-	-	-	-	-	-
Ellis	37	1	19	12	4	1	-	-	-	-
Ellsworth	7	-	3	4	-	-	-	-	-	-
Finney	44	3	22	12	2	4	1	-	-	-
Ford	39	1	26	9	2	1	-	-	-	-
Franklin	33	-	18	8	4	1	2	-	-	-
Geary	99	2	36	42	15	3	1	-	-	-
Gove	3	-	2	1	-	-	-	-	-	-
Graham	6	-	2	4	-	-	-	-	-	-
Grant	15	1	10	3	1	-	-	-	-	-
Gray	4	-	3	1	-	-	-	-	-	-
Greeley	1	-	-	-	-	-	1	-	-	-
Greenwood	9	-	5	4	-	-	-	-	-	-
Hamilton	6	-	3	3	-	-	-	-	-	-
Harper	7	-	2	3	1	1	-	-	-	-
Harvey	48	-	18	24	2	3	1	-	-	-
Haskell	1	-	1	-	-	-	-	-	-	-
Hodgeman	1	-	1	-	-	-	-	-	-	-
Jackson	8	-	2	4	1	1	-	-	-	-
Jefferson	16	1	9	3	3	-	-	-	-	-
Jewell	3	-	2	1	-	-	-	-	-	-
Johnson	185	3	99	56	19	6	2	-	-	-
Kearny	3	-	3	-	-	-	-	-	-	-
Kingman	12	-	5	6	1	-	-	-	-	-
Kiowa	1	-	-	1	-	-	-	-	-	-
Labette	47	1	22	13	8	2	1	-	-	-
Lane	1	-	1	-	-	-	-	-	-	-
Leavenworth	75	1	35	24	10	4	-	1	-	-
Lincoln	5	-	2	2	-	-	1	-	-	-
Linn	6	-	3	2	1	-	-	-	-	-
Logan	7	-	5	1	1	-	-	-	-	-

Table 25 (cont.)
Out-of-Wedlock Births by Age Group of Mother
By County of Residence
Kansas, 1978

County of Residence	Total	Age Group of Mother								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	N.S.
Lyon	37	1	16	17	2	1	-	-	-	-
Marion	8	-	5	2	-	-	1	-	-	-
Marshall	10	1	6	2	1	-	-	-	-	-
McPherson	11	-	3	6	2	-	-	-	-	-
Meade	4	-	3	1	-	-	-	-	-	-
Miami	29	-	11	13	5	-	-	-	-	-
Mitchell	8	-	5	2	-	1	-	-	-	-
Montgomery	89	2	45	30	8	4	-	-	-	-
Morris	2	-	1	1	-	-	-	-	-	-
Morton	3	-	2	-	1	-	-	-	-	-
Nemaha	16	-	11	4	1	-	-	-	-	-
Neosho	23	1	16	5	1	-	-	-	-	-
Ness	6	-	3	-	2	1	-	-	-	-
Norton	4	-	3	1	-	-	-	-	-	-
Osage	12	-	8	2	1	1	-	-	-	-
Osborne	3	-	1	1	-	1	-	-	-	-
Ottawa	4	1	2	1	-	-	-	-	-	-
Pawnee	7	-	2	3	2	-	-	-	-	-
Phillips	5	-	4	1	-	-	-	-	-	-
Pottawatomie	17	-	7	5	4	1	-	-	-	-
Pratt	13	-	8	3	2	-	-	-	-	-
Rawlins	2	-	1	1	-	-	-	-	-	-
Reno	96	2	47	36	8	3	-	-	-	-
Republic	3	-	3	-	-	-	-	-	-	-
Rice	21	-	8	8	4	1	-	-	-	-
Riley	48	1	21	24	2	-	-	-	-	-
Rooks	3	-	2	-	-	-	1	-	-	-
Rush	2	-	1	1	-	-	-	-	-	-
Russell	7	-	4	1	1	-	1	-	-	-
Saline	98	3	56	29	9	1	-	-	-	-
Scott	9	1	4	4	-	-	-	-	-	-
Sedgwick	925	12	429	323	101	40	19	1	-	-
Seward	46	1	17	17	9	2	-	-	-	-
Shawnee	407	4	185	144	52	15	6	1	-	-
Sheridan	1	-	-	1	-	-	-	-	-	-
Sherman	9	-	4	5	-	-	-	-	-	-
Smith	5	-	3	2	-	-	-	-	-	-
Stafford	9	1	5	2	-	1	-	-	-	-
Stanton	2	-	2	-	-	-	-	-	-	-
Stevens	5	-	3	2	-	-	-	-	-	-
Sumner	24	-	14	6	3	1	-	-	-	-
Thomas	6	-	3	3	-	-	-	-	-	-
Trego	1	-	1	-	-	-	-	-	-	-
Wabaunsee	3	-	2	1	-	-	-	-	-	-
Wallace	2	-	1	-	1	-	-	-	-	-
Washington	6	-	5	1	-	-	-	-	-	-
Wichita	5	-	4	1	-	-	-	-	-	-
Wilson	22	1	12	9	-	-	-	-	-	-
Woodson	3	-	1	1	-	1	-	-	-	-
Wyandotte	865	16	368	327	100	39	15	-	-	-

Table 26
Induced Abortions by Age Group of Patient
By County of Residence
Kansas, 1978

County of Residence	Total	Age Group of Patient								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	N.S.
Kansas	5,722	51	2,127	1,903	868	441	231	83	10	8
Allen	25	-	11	8	3	1	2	-	-	-
Anderson	7	-	7	-	-	-	-	-	-	-
Atchison	31	-	18	7	2	1	2	1	-	-
Barber	6	-	2	2	-	2	-	-	-	-
Barton	55	-	25	15	10	3	1	1	-	-
Bourbon	24	-	10	7	6	-	1	-	-	-
Brown	22	-	13	7	1	-	-	-	-	1
Butler	102	1	49	24	16	7	3	1	1	-
Chase	9	1	4	2	2	-	-	-	-	-
Chautauqua	4	-	3	1	-	-	-	-	-	-
Cherokee	5	-	2	2	1	-	-	-	-	-
Cheyenne	-	-	-	-	-	-	-	-	-	-
Clark	5	-	3	1	1	-	-	-	-	-
Clay	17	1	10	4	1	1	-	-	-	-
Cloud	19	1	9	4	-	1	2	2	-	-
Coffey	12	-	2	5	3	-	2	-	-	-
Comanche	3	-	1	-	-	-	1	-	1	-
Cowley	79	3	46	14	5	4	5	2	-	-
Crawford	64	2	21	31	3	3	3	1	-	-
Decatur	2	-	1	-	1	-	-	-	-	-
Dickinson	14	-	6	6	-	1	1	-	-	-
Doniphan	23	-	16	5	1	1	-	-	-	-
Douglas	189	-	63	81	27	10	7	1	-	-
Edwards	9	-	5	4	-	-	-	-	-	-
Elk	5	-	1	2	-	2	-	-	-	-
Ellis	37	-	10	20	7	-	-	-	-	-
Ellsworth	10	-	7	-	1	2	-	-	-	-
Finney	22	-	13	6	1	1	1	-	-	-
Ford	44	-	22	17	3	1	-	1	-	-
Franklin	47	-	24	8	9	5	-	1	-	-
Geary	77	-	32	23	13	1	6	2	-	-
Gove	2	-	-	1	-	-	1	-	-	-
Graham	1	-	1	-	-	-	-	-	-	-
Grant	8	1	4	2	1	-	-	-	-	-
Gray	7	-	4	1	1	-	1	-	-	-
Greeley	1	-	-	1	-	-	-	-	-	-
Greenwood	9	1	2	4	-	1	-	1	-	-
Hamilton	-	-	-	-	-	-	-	-	-	-
Harper	18	-	5	7	2	4	-	-	-	-
Harvey	46	-	16	16	3	7	4	-	-	-
Haskell	7	-	2	3	1	-	1	-	-	-
Hodgeman	1	-	1	-	-	-	-	-	-	-
Jackson	15	-	4	7	1	1	1	1	-	-
Jefferson	18	-	7	5	1	2	3	-	-	-
Jewell	9	-	4	2	3	-	-	-	-	-
Johnson	1,009	2	366	312	168	96	41	18	2	4
Kearny	2	-	-	2	-	-	-	-	-	-
Kingman	6	-	4	-	1	1	-	-	-	-
Kiowa	6	-	4	1	1	-	-	-	-	-
Labette	32	-	15	3	6	4	3	1	-	-
Lane	2	-	1	1	-	-	-	-	-	-
Leavenworth	104	4	34	28	16	13	5	4	-	-
Lincoln	6	-	4	-	-	2	-	-	-	-
Linn	10	-	7	-	-	1	2	-	-	-
Logan	-	-	-	-	-	-	-	-	-	-

Table 26 (cont.)
Induced Abortions by Age Group of Patient
By County of Residence
Kansas, 1978

County of Residence	Total	Age Group of Patient								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	N.S.
Lyon	128	-	41	57	20	9	-	1	-	-
Marion	11	1	1	6	-	1	1	1	-	-
Marshall	9	-	3	4	-	-	1	-	1	-
McPherson	51	-	18	14	9	7	-	3	-	-
Meade	1	-	1	-	-	-	-	-	-	-
Miami	59	-	32	12	7	3	3	2	-	-
Mitchell	13	-	5	4	1	1	2	-	-	-
Montgomery	39	-	20	8	3	5	1	2	-	-
Morris	4	-	1	3	-	-	-	-	-	-
Morton	4	-	3	-	-	1	-	-	-	-
Nemaha	8	-	4	2	-	-	1	1	-	-
Neosho	25	-	6	10	3	5	1	-	-	-
Ness	3	-	2	1	-	-	-	-	-	-
Norton	9	-	5	1	2	1	-	-	-	-
Osage	25	-	14	3	3	3	1	-	1	-
Osborne	6	-	3	-	1	1	1	-	-	-
Ottawa	7	-	4	-	2	-	1	-	-	-
Pawnee	13	-	4	5	-	1	2	1	-	-
Phillips	10	-	8	-	2	-	-	-	-	-
Pottawatomie	40	-	15	14	6	4	1	-	-	-
Pratt	22	-	11	4	1	2	1	3	-	-
Rawlins	1	-	-	-	-	-	-	1	-	-
Reno	145	2	56	53	19	11	4	-	-	-
Republic	10	-	3	6	-	-	-	1	-	-
Rice	14	1	6	2	3	1	1	-	-	-
Riley	218	-	76	89	31	13	8	-	-	1
Rooks	1	-	-	-	-	-	-	1	-	-
Rush	1	-	1	-	-	-	-	-	-	-
Russell	13	-	4	3	3	1	1	1	-	-
Saline	113	3	47	37	14	4	7	1	-	-
Scott	2	-	2	-	-	-	-	-	-	-
Sedgwick	1,245	12	392	484	207	95	37	16	2	-
Seward	39	1	16	8	5	6	3	-	-	-
Shawnee	493	4	170	157	85	48	20	6	1	2
Sheridan	1	-	1	-	-	-	-	-	-	-
Sherman	3	-	2	1	-	-	-	-	-	-
Smith	8	-	5	2	-	-	1	-	-	-
Stafford	8	-	4	1	1	2	-	-	-	-
Stanton	5	-	3	2	-	-	-	-	-	-
Stevens	6	-	4	1	1	-	-	-	-	-
Sumner	48	-	26	9	6	2	5	-	-	-
Thomas	5	-	1	1	-	1	2	-	-	-
Trego	2	-	2	-	-	-	-	-	-	-
Wabaunsee	6	-	4	1	1	-	-	-	-	-
Wallace	-	-	-	-	-	-	-	-	-	-
Washington	2	-	2	-	-	-	-	-	-	-
Wichita	-	-	-	-	-	-	-	-	-	-
Wilson	18	-	6	3	6	1	2	-	-	-
Woodson	9	2	4	2	-	-	1	-	-	-
Wyandotte	528	8	166	189	104	33	23	4	1	-
Not Stated	4	-	2	2	-	-	-	-	-	-

Table 27
Perinatal Period III Deaths
By County of Residence
Kansas, 1978

County of Residence	Total	Perinatal Period III Deaths	
		Fetal Deaths	Hebdomadal Deaths
Kansas.	585	331	254
Allen	7	5	2
Anderson. . . .	2	1	1
Atchison	6	2	4
Barber.	1	1	-
Barton.	12	6	6
Bourbon	5	3	2
Brown	6	4	2
Butler	5	5	-
Chase	-	-	-
Chautauqua . ..	4	1	3
Cherokee . . .	3	1	2
Cheyenne . . .	1	1	-
Clark	-	-	-
Clay.	2	1	1
Cloud	6	3	3
Coffey.	2	2	-
Comanche . . .	-	-	-
Cowley	12	9	3
Crawford. . . .	4	3	1
Decatur	1	1	-
Dickinson . . .	5	5	-
Doniphan. . . .	3	2	1
Douglas	13	4	9
Edwards	2	-	2
Elk	-	-	-
Ellis	5	2	3
Ellsworth . . .	-	-	-
Finney.	11	5	6
Ford.	5	2	3
Franklin	5	1	4
Geary	12	5	7
Gove	-	-	-
Graham	2	1	1
Grant	3	2	1
Gray.	1	1	-

Table 27 (cont.)
Perinatal Period III Deaths
By County of Residence
Kansas, 1978

County of Residence	Total	Perinatal Period III Deaths	
		Fetal Deaths	Hebdomadal Deaths
Greeley	3	3	-
Greenwood	-	-	-
Hamilton	-	-	-
Harper	1	-	1
Harvey	8	4	4
Haskell	1	-	1
Hodgeman	-	-	-
Jackson	2	2	-
Jefferson	1	1	-
Jewell	2	-	2
Johnson	48	23	25
Kearny	-	-	-
Kingman	-	-	-
Kiowa	-	-	-
Labette	1	1	-
Lane	-	-	-
Leavenworth	14	11	3
Lincoln	1	1	-
Linn	2	2	-
Logan	2	1	1
Lyon	9	6	3
Marion	-	-	-
Marshall	5	3	2
McPherson	9	5	4
Meade	-	-	-
Miami	2	1	1
Mitchell	2	-	2
Montgomery	12	3	9
Morris	-	-	-
Morton	-	-	-
Nemaha	-	-	-
Neosho	6	4	2
Ness	1	-	1
Norton	-	-	-
Osage	2	1	1

Table 27 (cont.)
Perinatal Period III Deaths
By County of Residence
Kansas, 1978

County of Residence	Total	Perinatal Period III Deaths	
		Fetal Deaths	Hebdomadal Deaths
Osborne	1	-	1
Ottawa	2	2	-
Pawnee	1	1	-
Phillips	4	3	1
Pottawatomie	4	3	1
Pratt	2	1	1
Rawlins	1	-	1
Reno	23	15	8
Republic	3	2	1
Rice	4	2	2
Riley	17	12	5
Rooks	-	-	-
Rush	-	-	-
Russell	3	2	1
Saline	6	5	1
Scott	4	3	1
Sedgwick	93	51	42
Seward	6	4	2
Shawnee	41	26	15
Sheridan	-	-	-
Sherman	-	-	-
Smith	1	1	-
Stafford	1	-	1
Stanton	1	1	-
Stevens	1	-	1
Sumner	4	3	1
Thomas	1	-	1
Trego	1	1	-
Wabaunsee	-	-	-
Wallace	-	-	-
Washington	4	2	2
Wichita	3	2	1
Wilson	1	1	-
Woodson	-	-	-
Wyandotte	72	37	35

Table 28
Infant Deaths by Component
By County of Residence
Kansas, 1978

County of Residence	Components and Infant Age				
	Total Infant Deaths	Hebdomadal Deaths	Post-Hebdomadal Deaths	Neonatal Deaths	Post-Neonatal Deaths
	Under 1 year	Under 7 days	7-27 days	Under 28 days	28-364 days
Kansas	440	254	48	302	138
Allen	3	2	-	2	1
Anderson	1	1	-	1	-
Atchison	4	4	-	4	-
Barber	1	-	1	1	-
Barton	8	6	-	6	2
Bourbon	3	2	-	2	1
Brown	3	2	-	2	1
Butler	2	-	1	1	1
Chase	-	-	-	-	-
Chautauqua	3	3	-	3	-
Cherokee	3	2	-	2	1
Cheyenne	-	-	-	-	-
Clark	-	-	-	-	-
Clay	1	1	-	1	-
Cloud	5	3	1	4	1
Coffey	1	-	-	-	1
Comanche	-	-	-	-	-
Cowley	4	3	-	3	1
Crawford	5	1	-	1	4
Decatur	-	-	-	-	-
Dickinson	-	-	-	-	-
Doniphan	1	1	-	1	-
Douglas	12	9	-	9	3
Edwards	3	2	-	2	1
Elk	-	-	-	-	-
Ellis	3	3	-	3	-
Ellsworth	-	-	-	-	-
Finney	10	6	-	6	4
Ford	4	3	-	3	1
Franklin	7	4	-	4	3
Geary	14	7	3	10	4
Gove	-	-	-	-	-
Graham	1	1	-	1	-
Grant	2	1	-	1	1
Gray	1	-	-	-	1
Greeley	-	-	-	-	-
Greenwood	1	-	-	-	1
Hamilton	-	-	-	-	-
Harper	1	1	-	1	-
Harvey	7	4	-	4	3
Haskell	1	1	-	1	-
Hodgeman	-	-	-	-	-
Jackson	-	-	-	-	-
Jefferson	1	-	-	-	1
Jewell	2	2	-	2	-
Johnson	33	25	3	28	5
Kearny	-	-	-	-	-
Kingman	-	-	-	-	-
Kiowa	-	-	-	-	-
Labette	4	-	1	1	3
Lane	-	-	-	-	-
Leavenworth	8	3	2	5	3
Lincoln	1	-	1	1	-
Linn	-	-	-	-	-
Logan	1	1	-	1	-

Table 28 (cont.)
Infant Deaths by Component
By County of Residence
Kansas, 1978

County of Residence	Components and Infant Age				
	Total Infant Deaths	Hebdomadal Deaths	Post-Hebdomadal Deaths	Neonatal Deaths	Post-Neonatal Deaths
	Under 1 year	Under 7 days	7-27 days	Under 28 days	28-364 days
Lyon	5	3	1	4	1
Marion	1	-	-	-	1
Marshall	4	2	-	2	2
McPherson	6	4	-	4	2
Meade	2	-	1	1	1
Miami	2	1	-	1	1
Mitchell	3	2	-	2	1
Montgomery	10	9	-	9	1
Morris	1	-	-	-	1
Morton	-	-	-	-	-
Nemaha	1	-	1	1	-
Neosho	3	2	1	3	-
Ness	3	1	2	3	-
Norton	2	-	-	-	2
Osage	2	1	1	2	-
Osborne	1	1	-	1	-
Ottawa	1	-	-	-	1
Pawnee	1	-	-	-	1
Phillips	1	1	-	1	-
Pottawatomie	3	1	-	1	2
Pratt	1	1	-	1	-
Rawlins	1	1	-	1	-
Reno	14	8	1	9	5
Republic	1	1	-	1	-
Rice	2	2	-	2	-
Riley	10	5	3	8	2
Rooks	-	-	-	-	-
Rush	-	-	-	-	-
Russell	2	1	-	1	1
Saline	4	1	1	2	2
Scott	1	1	-	1	-
Sedgwick	76	42	11	53	23
Seward	6	2	-	2	4
Shawnee	34	15	5	20	14
Sheridan	-	-	-	-	-
Sherman	1	-	-	-	1
Smith	1	-	1	1	-
Stafford	1	1	-	1	-
Stanton	-	-	-	-	-
Stevens	1	1	-	1	-
Sumner	2	1	-	1	1
Thomas	4	1	-	1	3
Trego	-	-	-	-	-
Wabaunsee	-	-	-	-	-
Wallace	-	-	-	-	-
Washington	2	2	-	2	-
Wichita	1	1	-	1	-
Wilson	3	-	-	-	3
Woodson	-	-	-	-	-
Wyandotte	55	35	6	41	14

Table 29
Deaths by Number and Rate
By County of Residence
Kansas, 1974-1978

County of Residence	Year									
	1974		1975		1976		1977		1978	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Kansas	22,156	9.6	21,726	9.4	21,780	9.4	21,271	9.1	21,566	9.1
Allen	234	15.3	206	13.3	186	11.8	207	13.2	228	14.2
Anderson	118	13.8	115	13.5	99	11.8	123	14.8	109	13.1
Atchison	236	11.2	242	11.4	229	11.0	226	10.5	238	11.6
Barber	93	13.3	90	13.1	93	13.5	96	14.4	84	12.7
Barton	335	9.7	299	8.3	260	7.2	322	8.7	301	7.9
Bourbon	251	15.6	250	15.9	255	16.1	207	12.4	230	13.8
Brown	155	11.8	174	13.3	182	14.0	177	13.7	152	12.0
Butler	393	10.2	392	9.9	404	9.9	350	8.3	334	7.6
Chase	52	14.5	57	16.0	50	14.2	41	12.0	43	12.9
Chautauqua	95	18.3	80	15.8	92	18.2	62	12.3	78	15.4
Cherokee	290	12.8	307	13.6	325	14.1	275	12.2	298	12.5
Cheyenne	48	11.9	58	14.5	63	15.4	45	11.2	30	7.5
Clark	32	11.4	39	13.8	30	10.5	29	10.5	35	12.9
Clay	136	13.5	131	12.9	147	14.5	133	13.3	124	12.4
Cloud	192	13.8	183	13.0	196	13.9	183	13.0	197	14.2
Coffey	126	15.2	135	16.3	120	15.2	112	14.0	131	16.2
Comanche	46	16.2	41	14.4	42	15.0	39	13.7	31	11.5
Cowley	471	13.5	414	11.9	439	12.5	375	10.6	387	11.0
Crawford	519	13.6	516	13.5	475	12.5	497	13.1	489	12.8
Decatur	51	10.0	65	12.9	71	14.2	50	10.1	67	13.7
Dickinson	258	10.8	256	11.7	248	11.2	234	10.4	250	11.0
Doniphan	95	9.5	108	10.7	120	12.0	105	10.5	122	12.5
Douglas	352	6.3	379	5.9	362	6.0	351	5.6	348	5.3
Edwards	63	13.6	67	14.9	62	13.4	55	12.3	55	12.5
Elk	69	16.8	61	15.1	79	19.5	70	17.5	61	15.2
Ellis	188	8.0	151	6.2	129	5.3	150	6.0	177	6.9
Ellsworth	86	11.9	82	11.3	80	11.2	85	11.7	105	14.8
Finney	142	6.2	142	6.1	159	6.3	159	6.1	164	5.7
Ford	210	8.6	221	9.0	196	7.9	207	8.3	188	7.5
Franklin	264	12.7	219	10.6	261	12.5	255	12.0	247	11.5
Geary	206	8.5	208	8.5	209	8.3	219	9.4	208	8.9
Gove	37	9.2	47	11.8	34	8.5	42	10.5	43	11.0
Graham	50	10.9	46	9.9	43	9.4	36	8.0	38	8.5
Grant	34	4.8	46	6.5	41	5.7	27	3.7	45	6.2
Gray	45	9.2	36	7.3	37	7.2	33	6.3	29	5.6
Greeley	20	9.3	19	8.6	12	5.3	17	7.7	17	8.1
Greenwood	148	16.0	149	16.3	153	16.8	127	14.0	158	17.7
Hamilton	21	6.9	36	11.7	39	12.5	27	8.6	30	9.8
Harper	130	15.9	111	13.6	110	13.7	102	12.7	90	11.2
Harvey	282	10.0	250	8.6	270	9.3	255	8.8	269	9.4
Haskell	20	5.0	26	6.3	18	4.3	24	5.7	39	9.5
Hodgeman	24	8.7	27	9.8	28	10.4	29	10.9	23	8.9
Jackson	159	14.1	118	10.5	138	12.0	136	11.7	147	12.7
Jefferson	130	10.1	116	9.1	148	11.1	154	11.0	152	10.8
Jewell	79	13.0	99	16.5	85	14.4	85	14.5	71	12.3
Johnson	1,237	5.2	1,264	5.2	1,360	5.6	1,398	5.6	1,371	5.4
Kearny	22	7.0	21	6.4	22	6.6	20	5.9	28	8.1
Kingman	97	9.6	119	11.8	111	11.0	102	10.1	101	10.4
Kiowa	56	13.8	54	13.4	52	12.5	35	8.2	53	12.7
Labette	354	13.8	336	13.3	356	14.5	303	12.1	317	12.7
Lane	25	8.4	34	12.0	27	9.5	24	8.4	25	9.0
Leavenworth	395	7.9	421	8.3	433	8.4	430	8.3	446	8.5
Lincoln	54	11.3	81	16.9	63	13.1	46	9.7	79	17.1
Linn	118	14.1	123	14.7	122	14.8	113	13.6	134	15.7
Logan	35	9.3	31	8.1	28	7.2	52	13.8	32	8.8

Table 29 (cont.)
Deaths by Number and Rate
By County of Residence
Kansas, 1978

County of Residence	Year									
	1974		1975		1976		1977		1978	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Lyon	290	9.7	296	9.5	308	9.4	299	8.7	290	8.0
Marion	200	12.6	168	10.4	193	12.0	182	11.0	161	9.9
Marshall	204	14.6	209	15.0	220	15.8	212	15.6	205	15.3
McPherson	262	10.4	272	10.8	236	9.3	273	10.6	263	10.1
Meade	59	11.6	44	8.7	35	6.9	54	10.6	53	10.6
Miami	231	11.0	217	10.4	248	12.1	213	10.0	217	9.9
Mitchell	105	12.8	99	12.2	121	14.9	119	14.8	113	13.9
Montgomery	620	14.6	573	13.4	542	12.6	553	12.7	579	13.2
Morris	97	13.9	85	12.3	100	14.4	80	11.6	103	15.2
Morton	32	9.0	38	10.9	24	6.8	29	8.3	21	6.1
Nemaha	139	11.3	142	11.7	129	10.7	133	11.0	136	11.3
Neosho	266	14.4	256	14.4	246	13.9	237	13.3	250	13.7
Ness	61	13.1	67	14.4	66	14.5	55	11.5	45	9.6
Norton	98	13.3	113	15.7	87	12.3	89	12.5	95	13.1
Osage	200	14.8	182	13.6	167	12.3	181	13.1	180	12.6
Osborne	98	15.1	107	16.8	93	14.6	95	15.0	97	15.5
Ottawa	86	13.4	99	15.4	91	14.2	71	11.1	81	12.8
Pawnee	104	12.7	91	11.3	112	14.0	105	13.2	93	11.9
Phillips	98	11.8	91	11.0	105	12.7	108	13.0	87	10.9
Pottawatomie	159	12.5	151	11.6	155	11.5	126	9.2	146	10.2
Pratt	123	12.9	138	15.1	129	13.3	107	10.9	134	13.7
Rawlins	48	10.9	50	11.6	56	13.0	34	8.0	37	8.9
Reno	629	9.1	574	8.8	582	8.9	603	9.3	612	9.3
Republic	136	16.3	114	13.8	152	18.2	131	15.8	123	15.1
Rice	171	14.5	149	12.8	150	12.8	166	13.8	122	10.2
Riley	247	6.2	235	5.7	256	6.1	251	6.0	276	6.6
Rooks	116	16.2	103	14.1	104	13.9	91	12.5	81	10.9
Rush	77	14.8	59	11.1	68	13.0	69	13.5	71	14.3
Russell	116	12.2	112	11.5	127	13.1	128	13.5	114	12.1
Saline	402	8.6	367	7.7	384	7.7	399	8.2	407	8.6
Scott	43	6.9	55	8.5	56	8.3	52	7.5	35	5.3
Sedgwick	2,722	8.1	2,688	7.9	2,644	7.7	2,647	7.7	2,726	8.0
Seward	100	6.1	113	6.8	109	6.5	121	7.1	108	6.2
Shawnee	1,324	7.7	1,315	7.6	1,289	7.4	1,364	7.7	1,344	7.5
Sheridan	35	9.0	32	8.3	40	10.7	34	8.9	34	8.8
Sherman	90	11.2	82	9.7	72	8.5	61	7.2	67	8.2
Smith	102	15.2	115	17.5	98	15.1	85	13.0	90	14.0
Stafford	93	15.2	84	13.5	90	14.5	82	13.4	83	13.4
Stanton	23	9.3	26	10.3	17	6.4	15	5.5	9	3.6
Stevens	41	8.9	35	7.2	35	7.8	40	8.4	31	6.6
Sumner	307	12.8	303	12.5	273	11.4	259	10.7	284	11.7
Thomas	68	8.7	90	11.5	46	5.7	81	9.7	63	7.7
Trego	42	9.2	50	11.0	43	9.6	49	10.8	49	11.1
Wabaunsee	89	12.9	81	12.0	96	14.3	65	9.5	80	11.8
Wallace	26	11.6	15	6.7	24	10.7	21	9.3	16	7.2
Washington	132	14.0	136	14.6	149	16.3	122	13.5	122	13.5
Wichita	18	4.9	28	7.6	19	5.2	15	4.3	22	6.5
Wilson	177	12.8	154	10.8	183	14.1	152	12.3	162	12.3
Woodson	94	18.8	85	17.7	78	16.6	76	16.2	80	17.0
Wyandotte	1,778	9.4	1,740	9.3	1,740	9.3	1,681	9.3	1,721	9.5

Table 30
Deaths by Age Group and Average Age at Death
By County of Residence
Kansas, 1978

County of Residence	Total	Age Group of Decedent											
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	Average Age at Death
Kansas	21,566	440	92	114	525	407	501	1,189	2,690	4,526	6,255	4,827	70.1
Allen	228	3	2	1	4	3	4	13	23	42	76	57	72.1
Anderson	109	1	1	2	1	-	2	5	7	27	27	36	74.0
Atchison	238	4	-	1	5	6	2	13	23	55	69	60	71.9
Barber	84	1	-	2	2	1	2	3	7	16	36	14	[illegible]3
Barton	301	8	-	2	10	7	10	17	39	81	85	42	67.1
Bourbon	230	3	1	1	1	3	2	11	28	55	73	52	72.9
Brown	152	3	1	-	6	3	2	1	11	32	43	50	73.6
Butler	334	2	-	4	14	5	7	18	46	84	84	70	69.6
Chase	43	-	-	-	-	1	1	1	3	15	12	10	74.7
Chautauqua	78	3	-	-	-	-	2	4	9	21	24	15	71.4
Cherokee	298	3	-	-	8	4	12	18	38	64	90	61	70.6
Cheyenne	30	-	-	-	-	-	-	1	5	6	12	6	75.6
Clark	35	-	1	-	-	-	-	1	7	7	11	8	73.5
Clay	124	1	-	-	-	-	1	4	11	25	47	35	76.6
Cloud	197	5	-	1	1	1	-	3	20	38	59	69	76.3
Coffey	131	1	-	-	3	3	5	2	10	30	39	38	74.1
Comanche	31	-	-	-	1	-	1	1	4	4	12	8	74.7
Cowley	387	4	3	2	7	7	9	14	42	86	127	86	71.4
Crawford	489	5	-	-	6	6	8	21	49	126	148	120	73.7
Decatur	67	-	1	-	-	1	-	4	3	17	22	19	75.3
Dickinson	250	-	-	1	3	5	5	9	22	44	97	64	75.3
Doniphan	122	1	-	1	1	3	3	4	15	21	37	36	73.2
Douglas	348	12	3	1	12	6	18	21	40	65	98	72	67.4
Edwards	55	3	-	1	2	-	-	1	6	9	19	14	70.0
Elk	61	-	-	-	-	-	2	1	9	17	15	17	74.5
Ellis	177	3	-	-	8	3	10	7	31	40	52	23	66.9
Ellsworth	105	-	-	-	-	-	2	4	11	22	29	37	77.2
Finney	164	10	2	1	4	5	4	8	33	37	35	25	63.8
Ford	188	4	-	2	4	4	3	12	30	40	49	40	69.1
Franklin	247	7	2	2	8	2	4	14	29	44	72	63	70.6
Geary	208	14	1	2	10	11	10	16	29	37	43	35	60.6
Gove	43	-	-	-	1	1	-	1	6	8	18	8	73.6
Graham	38	1	-	-	-	-	-	2	2	6	11	16	78.2
Grant	45	2	-	-	4	3	-	4	7	4	13	8	62.7
Gray	29	1	-	-	-	-	1	2	3	7	13	2	70.0

Table 30 (cont.)
Deaths by Age Group and Average Age at Death
By County of Residence
Kansas, 1978

County of Residence	Total	Age Group of Decedent											
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	Average Age at Death
Greeley	17	-	-	-	1	-	1	1	4	3	6	1	66.8
Greenwood	158	1	2	1	3	1	1	6	10	41	58	34	73.4
Hamilton	30	-	-	-	2	3	2	1	5	7	6	4	63.4
Harper	90	1	1	1	1	3	2	4	11	20	28	18	70.3
Harvey	269	7	-	4	5	1	7	11	27	61	77	69	71.6
Haskell	39	1	-	-	-	1	2	3	4	17	8	3	65.4
Hodgeman	23	-	-	1	1	-	-	1	4	2	11	3	69.7
Jackson	147	-	-	1	2	2	2	4	11	30	49	46	76.2
Jefferson	152	1	-	2	3	4	2	11	16	37	38	38	71.1
Jewell	71	2	-	-	-	-	1	1	6	12	26	23	76.5
Johnson	1,371	33	9	10	49	26	40	104	214	266	362	258	67.0
Kearny	28	-	-	-	3	-	2	1	2	9	6	5	66.7
Kingman	101	-	-	-	2	1	-	3	16	19	40	20	74.0
Kiowa	53	-	-	-	3	1	1	2	11	10	16	9	69.0
Labette	317	4	-	2	8	4	6	13	36	58	94	92	73.0
Lane	25	-	1	-	1	-	-	2	5	5	6	5	68.5
Leavenworth	446	8	1	2	10	9	16	24	63	85	138	90	69.7
Lincoln	79	1	-	1	1	1	-	3	5	12	28	27	75.6
Linn	134	-	-	-	4	3	5	5	14	34	35	34	72.7
Logan	32	1	-	-	-	1	-	-	3	6	11	10	75.0
Lyon	290	5	1	3	9	6	2	16	33	63	76	76	70.6
Marion	161	1	-	-	2	2	6	7	14	29	51	49	74.8
Marshall	205	4	-	-	1	1	3	5	20	40	73	58	75.1
McPherson	263	6	-	1	6	4	5	15	37	48	78	63	71.0
Meade	53	2	-	1	-	3	1	3	4	9	21	9	68.4
Miami	217	2	2	1	8	2	6	12	20	46	71	47	70.7
Mitchell	113	3	1	1	2	-	-	1	14	24	32	35	73.7
Montgomery	579	10	4	-	13	9	11	27	69	145	194	97	70.5
Morris	103	1	-	-	3	1	1	2	9	32	28	26	73.6
Morton	21	-	-	-	1	1	-	1	3	3	11	1	69.0
Nemaha	136	1	-	1	3	-	2	3	8	32	48	38	75.2
Neosho	250	3	1	1	2	2	5	17	28	60	72	59	72.2
Ness	45	3	-	-	-	-	-	1	6	12	14	9	70.7
Norton	95	2	-	-	3	-	1	9	5	17	31	27	73.7
Osage	180	2	-	-	5	-	5	12	18	42	54	42	72.3

Table 30 (cont.)
Deaths by Age Group and Average Age at death
By County of Residence
Kansas, 1978

County of Residence	Total	Age Group of Decedent											
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	Average Age at Death
Osborne	97	1	-	-	-	2	-	2	8	19	33	32	77.2
Ottawa	81	1	-	-	3	2	1	3	7	15	20	29	73.5
Pawnee	93	1	-	-	2	-	3	3	13	21	24	26	72.8
Phillips	87	1	1	-	-	1	1	3	9	23	24	24	73.7
Pottawatomie	146	3	1	1	1	2	3	4	19	23	53	36	72.4
Pratt	134	1	1	-	2	1	1	9	12	26	40	41	74.5
Rawlins	37	1	-	-	1	1	-	2	4	5	14	9	72.0
Reno	612	14	3	1	13	14	13	33	75	113	192	141	70.6
Republic	123	1	-	1	3	2	1	6	13	30	33	33	72.7
Rice	122	2	-	-	5	2	1	1	14	24	36	37	73.3
Riley	276	10	4	2	10	6	4	9	34	45	80	72	69.3
Rooks	81	-	-	1	1	1	1	3	10	17	27	20	73.6
Rush	71	-	-	-	-	-	1	1	8	18	25	18	76.0
Russell	114	2	-	-	6	1	2	4	12	25	35	27	70.6
Saline	407	4	1	1	6	11	8	11	55	91	131	88	71.9
Scott	35	1	-	-	2	-	-	1	4	7	10	10	71.6
Sedgwick	2,726	76	14	17	75	79	82	214	403	580	682	504	66.8
Seward	108	6	-	2	6	3	9	6	13	19	24	20	61.6
Shawnee	1,344	34	7	10	47	36	33	108	165	246	360	298	67.8
Sheridan	34	-	-	-	-	1	-	-	3	11	14	5	74.7
Sherman	67	1	-	2	-	-	1	2	10	16	23	12	71.2
Smith	90	1	-	-	-	-	-	2	8	15	34	30	78.8
Stafford	83	1	-	-	-	1	1	-	13	15	30	22	75.9
Stanton	9	-	-	-	-	-	-	2	1	4	2	-	66.6
Stevens	31	1	1	-	2	-	1	1	6	5	8	6	65.6
Sumner	284	2	-	-	2	1	6	10	41	51	76	95	75.4
Thomas	63	4	-	-	-	2	2	2	4	15	18	16	69.9
Trego	49	-	-	-	-	-	-	3	7	9	24	6	74.2
Wabaunsee	80	-	-	-	-	1	-	7	4	14	24	30	77.4
Wallace	16	-	-	-	1	-	1	1	3	1	2	7	72.9
Washington	122	2	-	-	1	-	1	3	13	24	33	45	76.6
Wichita	22	1	-	-	1	1	1	1	2	7	3	5	65.3
Wilson	162	3	1	-	1	1	-	5	15	36	56	44	74.9
Woodson	80	-	-	1	1	1	2	2	12	8	31	22	74.7
Wyandotte	1,721	55	17	14	50	48	51	133	257	380	440	276	65.5

Table 31
Twenty Leading Causes of Death
By County of Residence
Kansas, 1978

County of Residence	Cause of Death																			
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Influenza and Pneumonia	General Arteriosclerosis	Diabetes Mellitus	Suicide	Aortic Aneurysm	Infective and Parasitic Disease	Certain Causes of Mortality in Early Infancy	Cirrhosis of Liver	Congenital Anomalies	Emphysema	Pulmonary Embolism and Infarction	Homicide	Nephritis and Nephrosis	Arterial Embolism and Thrombosis	Peptic Ulcer	Hypertension
Kansas	8,097	4,227	2,129	1,217	784	439	392	264	198	196	190	188	159	145	132	128	80	75	66	60
Allen	106	41	16	7	8	2	4	4	-	2	1	-	1	5	1	-	1	2	1	-
Anderson	56	17	10	8	1	1	3	-	1	-	-	1	2	-	-	-	1	-	-	-
Atchison	84	48	37	5	9	3	4	4	3	1	3	2	-	1	1	1	2	1	-	5
Barber	32	15	3	5	3	2	3	2	-	-	-	1	-	-	-	-	1	1	-	1
Barton	116	60	38	21	10	6	6	-	3	-	4	5	3	-	1	-	-	-	-	-
Bourbon	77	49	43	10	3	2	4	1	2	2	2	-	-	4	4	1	3	2	-	-
Brown	64	21	19	5	7	11	2	1	2	-	1	-	2	-	-	-	-	1	-	-
Butler	116	72	48	28	11	3	8	2	1	1	-	3	3	3	2	1	1	2	2	1
Chase	21	7	5	1	1	1	-	1	-	-	-	1	-	-	1	-	-	-	-	-
Chautauqua	29	21	7	2	2	1	1	-	-	1	2	1	1	2	-	-	-	-	1	-
Cherokee	104	56	43	22	17	4	4	7	2	2	2	3	-	1	1	1	-	-	3	-
Cheyenne	14	9	-	-	-	1	-	1	1	-	-	-	-	1	-	-	-	-	1	-
Clark	12	7	1	1	-	-	2	-	-	-	-	-	1	1	-	-	-	-	-	-
Clay	36	30	21	4	9	6	5	-	1	1	1	1	-	1	-	-	-	-	-	-
Cloud	74	37	26	5	8	11	4	1	1	-	3	-	1	1	3	-	1	-	-	-
Coffey	67	18	6	10	9	2	2	1	4	2	-	-	-	1	1	-	-	-	1	-
Comanche	11	9	3	1	1	1	-	-	1	-	-	1	-	-	-	-	-	-	-	-
Cowley	119	71	57	26	8	11	7	5	5	7	2	3	2	4	2	2	2	4	2	1
Crawford	197	87	52	22	11	9	14	6	1	6	-	7	3	4	2	1	3	1	3	3
Decatur	24	16	3	5	6	-	2	1	-	-	-	-	-	1	-	-	-	1	-	2
Dickinson	99	44	22	12	5	10	5	2	2	3	-	1	2	2	1	1	1	1	2	-
Doniphan	56	25	10	3	4	1	3	-	5	-	1	-	-	1	-	-	1	2	-	1
Douglas	114	62	37	26	7	7	7	6	5	2	5	1	5	-	1	-	3	2	1	3
Edwards	25	13	1	5	1	1	2	-	-	-	2	-	1	-	-	-	-	-	-	-
Elk	26	8	6	1	4	4	2	-	-	-	-	-	-	-	1	-	-	-	-	-
Ellis	66	34	20	15	4	3	-	4	-	2	1	4	2	2	1	1	1	-	1	1
Ellsworth	49	24	8	2	6	-	1	1	-	2	-	1	-	-	1	-	-	-	-	-
Finney	65	34	14	10	6	3	2	1	2	2	2	-	2	1	1	-	-	-	-	-
Ford	79	36	14	7	3	4	4	2	3	2	3	7	-	2	-	2	-	2	1	-
Franklin	10	33	24	15	12	7	1	4	2	1	4	3	1	2	1	1	-	-	1	3

Table 31 (cont.)
Twenty Leading Causes of Death
By County of Residence
Kansas, 1978

County of Residence	Cause of Death																		
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Influenza and Pneumonia	General Arteriosclerosis	Diabetes Mellitus	Suicide	Aortic Aneurysm	Infective and Parasitic Disease	Certain Causes of Mortality in Early Infancy	Cirrhosis of Liver	Congenital Anomalies	Emphysema	Pulmonary Embolism and Infarction	Homicide	Nephritis and Nephrosis	Arterial Embolism and Thrombosis	Peptic Ulcer	Hypertension
Geary	81	34	8	20	9	6	1	5	4	5	4	2	5	1	1	-	-	-	-	2
Gove	24	6	3	-	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Graham	18	5	3	-	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Grant	18	5	2	8	-	1	2	-	-	-	-	-	2	-	-	-	-	-	-	-
Gray	7	11	3	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greeley	7	3	1	3	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Greenwood	79	28	15	8	1	7	1	3	2	1	-	-	1	-	-	-	1	-	1	-
Hamilton	7	9	-	6	2	-	1	2	-	-	-	-	-	-	-	-	-	1	-	-
Harper	37	13	10	5	2	1	-	1	1	-	-	-	2	-	1	-	1	-	-	-
Harvey	106	48	25	20	11	3	3	6	2	1	1	3	3	3	-	-	-	2	-	1
Haskell	13	11	1	4	2	-	-	-	-	-	1	-	-	1	1	-	1	-	-	-
Hodgeman	7	4	4	3	1	-	1	-	-	-	-	-	-	2	-	-	-	-	-	-
Jackson	65	16	20	9	6	5	3	1	-	-	-	-	-	1	2	-	-	-	-	1
Jefferson	56	27	15	11	5	3	6	1	3	1	-	-	1	-	2	-	1	-	2	-
Jewell	32	13	6	-	5	3	4	-	-	-	1	-	-	-	-	-	-	-	-	-
Johnson	512	319	117	69	30	18	22	25	12	16	19	7	12	6	6	5	2	6	6	1
Kearny	11	4	2	6	1	-	-	1	1	-	-	-	-	1	-	-	-	-	-	-
Kingman	42	23	9	5	1	4	-	-	-	1	-	-	-	-	-	-	-	1	1	-
Kiowa	22	12	4	6	2	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Labette	137	58	25	13	21	7	4	5	1	3	-	2	2	2	1	2	1	1	1	1
Lane	7	9	2	1	-	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-
Leavenworth	178	80	41	23	14	3	13	5	3	3	3	2	3	5	4	5	2	-	1	3
Lincoln	32	19	5	8	2	1	2	-	2	-	-	-	-	-	-	-	-	-	-	-
Linn	61	29	15	4	3	-	1	-	1	-	-	1	-	3	3	-	-	-	2	-
Logan	16	8	2	1	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-
Lyon	98	52	33	19	17	1	7	3	5	4	3	4	2	6	1	3	-	-	1	-
Marion	69	27	14	8	10	6	1	-	2	-	-	1	-	2	1	1	2	-	-	-
Marshall	94	29	27	10	7	10	1	2	2	1	2	-	-	3	1	-	2	-	-	1
McPherson	103	63	22	17	9	3	5	-	5	2	2	4	2	5	-	-	2	-	-	-
Meade	22	11	2	2	1	-	1	-	2	1	-	-	2	-	-	-	-	-	-	-

Table 31 (cont.)
Twenty Leading Causes of Death
By County of Residence
Kansas, 1978

County of Residence	Cause of Death																			
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Influenza and Pneumonia	General Arteriosclerosis	Diabetes Mellitus	Suicide	Aortic Aneurysm	Infective and Parasitic Disease	Certain Causes of Mortality in Early Infancy	Cirrhosis of Liver	Congenital Anomalies	Emphysema	Pulmonary Embolism and Infarction	Homicide	Nephritis and Nephrosis	Arterial Embolism and Thrombosis	Peptic Ulcer	Hypertension
Miami	98	35	19	13	13	2	5	5	2	-	-	2	1	-	1	-	2	-	-	-
Mitchell	36	14	10	6	8	7	2	1	-	1	-	-	1	2	2	-	1	2	-	2
Montgomery	224	112	60	30	20	14	11	6	4	8	5	6	4	2	2	-	2	-	-	1
Morris	32	21	11	7	4	1	2	-	2	-	-	2	-	-	-	-	-	1	-	-
Morton	8	2	-	4	1	1	1	-	-	-	-	-	-	-	1	-	-	-	-	-
Nemaha	43	26	23	6	6	6	4	-	2	2	-	1	2	1	-	1	-	-	-	-
Neosho	76	60	28	7	16	8	6	3	4	3	3	2	-	2	3	-	-	-	-	-
Ness	17	7	5	1	4	-	1	-	1	-	3	1	-	-	-	-	-	-	-	-
Norton	43	15	5	7	9	3	1	-	1	1	-	-	-	-	-	-	-	-	-	-
Osage	61	38	18	11	6	18	2	1	4	2	1	-	1	2	1	1	-	2	-	-
Osborne	42	17	8	5	5	-	-	-	-	2	1	-	-	2	-	-	-	-	-	-
Ottawa	19	21	20	4	1	1	-	2	-	-	-	-	-	-	2	-	-	1	1	-
Pawnee	40	14	9	4	8	2	2	-	1	-	-	-	-	-	1	-	-	-	-	-
Phillips	35	20	4	2	7	-	4	-	-	2	-	2	-	-	3	-	-	1	-	-
Pottawatomie	72	24	20	2	4	-	2	3	-	1	1	1	2	-	-	-	-	-	-	-
Pratt	43	25	18	8	1	5	4	2	1	-	1	1	-	-	1	-	-	-	-	1
Rawlins	11	12	-	1	2	1	2	1	-	1	-	-	2	-	1	-	-	4	2	1
Reno	214	124	68	39	38	13	8	6	4	6	6	7	5	3	1	3	1	1	2	-
Republic	43	29	13	7	7	2	1	3	2	-	1	1	-	-	-	-	1	2	-	2
Rice	38	30	14	9	5	-	3	-	3	-	-	-	1	-	-	-	-	-	-	-
Riley	84	52	33	16	17	5	1	2	4	3	2	5	4	2	-	3	-	1	2	-
Rooks	36	10	12	3	6	1	2	2	2	1	-	1	-	-	1	-	-	-	-	-
Rush	31	15	4	2	3	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-
Russell	51	19	6	7	5	2	3	4	-	2	-	1	1	1	-	-	-	-	-	-
Saline	147	83	59	16	16	9	5	4	5	-	-	2	3	3	3	4	1	2	-	-
Scott	11	8	5	2	-	1	2	1	-	-	-	-	-	-	-	-	-	-	-	-
Sedgwick	1,008	567	226	166	68	43	50	41	22	30	38	36	24	15	21	28	9	6	10	7
Seward	29	24	6	11	2	1	1	1	-	1	-	2	3	1	-	2	-	1	1	1
Shawnee	438	284	127	85	50	30	26	27	9	12	15	14	8	9	12	17	5	11	6	-
Sheridan	14	6	2	3	2	-	-	1	-	-	-	-	1	-	-	-	-	-	1	-

Table 31 (cont.)
Twenty Leading Causes of Death
By County of Residence

Kansas, 1978

County of Residence	Cause of Death																			
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Influenza and Pneumonia	General Arteriosclerosis	Diabetes Mellitus	Suicide	Aortic Aneurysm	Infective and Parasitic Disease	Certain Causes of Mortality in Early Infancy	Cirrhosis of Liver	Congenital Anomalies	Emphysema	Pulmonary Embolism and Infarction	Homicide	Nephritis and Nephrosis	Arterial Embolism and Thrombosis	Peptic Ulcer	Hypertension
Sherman	23	15	3	5	4	-	2	3	-	1	-	3	-	1	1	-	-	-	-	-
Smith	42	9	10	2	12	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2
Stafford	42	14	9	6	1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Stanton	4	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stevens	12	5	1	2	3	1	-	-	1	-	1	-	2	-	1	-	-	-	-	-
Sumner	110	48	38	12	8	8	5	2	2	3	-	2	1	4	2	1	1	1	-	4
Thomas	17	11	6	4	2	1	-	1	3	1	-	-	1	1	-	-	-	1	-	-
Trego	14	7	12	5	-	1	-	-	1	-	-	-	-	-	2	-	-	1	-	-
Wabaunsee	24	19	8	1	4	8	4	-	-	-	-	1	1	-	-	-	-	-	-	-
Wallace	3	3	-	3	1	2	1	-	-	-	-	-	-	-	1	-	-	-	-	1
Washington	49	19	14	2	9	3	2	-	2	5	2	1	-	1	-	-	1	-	-	-
Wichita	7	8	1	1	-	-	-	2	-	1	-	-	-	-	-	-	-	-	-	-
Wilson	58	34	14	5	11	5	3	-	-	1	1	2	1	2	-	1	3	-	-	-
Woodson	40	12	4	3	4	3	1	3	-	2	-	-	-	1	-	-	-	-	-	-
Wyandotte	606	328	143	107	47	25	28	18	17	23	31	15	16	5	17	30	10	2	1	3

Table 32
Deaths Rates for Ten Leading Causes of Death
By County of Residence
Kansas, 1978

County of Residence	Cause of Death									
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Influenza and Pneumonia	General Arteriosclerosis	Diabetes Mellitus	Suicide	Aortic Aneurysm	Infective and Parasitic Disease
Kansas	343.2	179.2	90.2	51.6	33.2	18.6	16.6	11.2	8.4	8.3
Allen	661.7	255.9	99.9	43.7	49.9	12.5	25.0	25.0	-	12.5
Anderson	672.1	204.0	120.0	96.0	12.0	12.0	36.0	-	12.0	-
Atchison	408.5	233.4	179.9	24.3	43.8	14.6	19.5	19.5	14.6	4.9
Barber	483.8	226.8	45.4	75.6	45.4	30.2	45.4	30.2	-	-
Barton	306.2	158.4	100.3	55.4	26.4	15.8	15.8	-	7.9	-
Bourbon	463.5	294.9	258.8	60.2	18.1	12.0	24.1	6.0	12.0	12.0
Brown	505.6	165.9	150.1	39.5	55.3	86.9	15.8	7.9	15.8	-
Butler	262.4	162.9	108.6	63.3	24.9	6.8	18.1	4.5	2.3	2.3
Chase	628.2	209.4	149.6	29.9	29.9	29.9	-	29.9	-	-
Chautauqua	573.6	415.3	138.4	39.6	39.6	19.8	19.8	-	-	19.8
Cherokee	437.2	235.4	180.8	92.5	71.5	16.8	16.8	29.4	8.4	8.4
Cheyenne	352.1	226.4	-	-	-	25.2	-	25.2	25.2	-
Clark	441.8	257.7	36.8	36.8	-	-	73.6	-	-	-
Clay	359.5	299.6	209.7	39.9	89.9	59.9	49.9	-	10.0	10.0
Cloud	534.3	267.1	187.7	36.1	57.8	79.4	28.9	7.2	7.2	-
Coffey	827.8	222.4	74.1	123.5	111.2	24.7	24.7	12.4	49.4	24.7
Comanche	409.7	335.2	111.7	37.2	37.2	37.2	-	-	37.2	-
Cowley	337.1	201.1	161.5	73.6	22.7	31.2	19.8	14.2	14.2	19.8
Crawford	515.3	227.6	136.0	57.5	28.8	23.5	36.6	15.7	2.6	15.7
Decatur	491.8	327.9	61.5	102.5	123.0	-	41.0	20.5	-	-
Dickinson	436.4	193.9	97.0	52.9	22.0	44.1	22.0	8.8	8.8	13.2
Doniphan	575.7	257.0	102.8	30.8	41.1	22.8	45.6	-	51.4	-
Douglas	173.1	94.2	56.2	39.5	10.6	10.6	10.6	9.1	7.6	3.0
Edwards	570.1	296.5	22.8	114.0	22.8	22.8	30.8	-	-	-
Elk	648.2	199.5	149.6	24.9	99.7	99.7	49.9	-	-	-
Ellis	258.5	133.2	78.3	58.8	15.7	11.8	-	15.7	-	7.8
Ellsworth	689.8	337.8	112.6	28.2	84.5	-	14.1	14.1	-	28.2
Finney	226.0	118.2	48.7	34.8	20.9	10.4	7.0	3.5	7.0	7.0
Ford	315.8	143.9	56.0	28.0	12.0	16.0	16.0	8.0	12.0	8.0
Franklin	481.3	154.2	112.2	70.1	56.1	32.7	4.7	18.7	9.3	4.7
Geary	348.0	146.1	34.4	85.9	38.7	25.8	4.3	21.5	17.2	21.5
Gove	611.9	153.0	76.5	-	51.0	-	102.0	-	25.5	25.5
Graham	401.1	111.4	66.8	-	44.6	22.3	22.3	-	22.3	22.3
Grant	248.2	68.9	27.6	110.3	-	13.8	27.6	-	-	-
Gray	135.5	213.0	58.1	38.7	38.7	-	-	-	-	-

Table 32 (cont.)
Death Rates for Ten Leading Counties of Death
By County of Residence
Kansas, 1978

County of Residence	Cause of Death									
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Influenza and Pneumonia	General Arteriosclerosis	Diabetes Mellitus	Suicide	Aortic Aneurysm	Infective and Parasitic Disease
Greeley	334.8	143.5	47.8	143.5	-	47.8	-	-	-	-
Greenwood	886.0	314.0	168.2	89.7	11.2	78.5	11.2	33.6	22.4	11.2
Hamilton	227.6	292.7	-	195.1	65.0	-	32.5	65.0	-	-
Harper	461.3	162.1	124.7	62.3	24.9	12.5	-	12.5	12.5	-
Harvey	368.7	167.0	87.0	69.6	38.3	10.4	10.4	20.9	7.0	3.5
Haskell	315.8	267.2	24.3	97.2	48.6	-	-	-	-	-
Hodgeman	271.5	155.2	155.2	116.4	38.8	-	38.8	-	-	-
Jackson	559.9	137.8	172.3	77.5	51.7	43.1	25.8	8.6	-	-
Jefferson	396.6	191.2	106.2	77.9	35.4	21.2	42.5	7.1	21.2	7.1
Jewell	552.3	224.4	103.6	-	86.3	51.8	69.0	-	-	-
Johnson	199.8	124.5	45.7	26.9	11.7	7.0	8.6	9.8	4.7	6.2
Kearny	318.4	115.8	57.9	173.7	28.9	-	-	28.9	28.9	-
Kingman	430.4	235.7	92.2	51.2	10.2	41.0	-	-	-	10.2
Kiowa	528.7	288.4	96.1	144.2	48.1	24.0	48.1	-	-	-
Labette	548.3	232.1	100.1	52.0	84.1	28.0	16.0	20.0	4.0	12.0
Lane	250.9	322.6	71.7	35.8	-	-	35.8	35.8	-	35.8
Leavenworth	340.0	152.8	78.3	43.9	26.7	5.7	24.8	9.6	5.7	5.7
Lincoln	691.3	410.5	108.0	172.8	43.2	21.6	43.2	-	43.2	-
Linn	716.4	340.6	176.2	47.0	35.2	-	11.7	-	11.7	-
Logan	437.6	218.8	54.7	27.4	-	-	27.4	-	-	-
Lyon	270.8	143.7	91.2	52.5	47.0	2.8	19.3	8.3	13.8	11.1
Marion	425.4	166.5	86.3	49.3	61.7	37.0	6.2	-	12.3	-
Marshall	700.1	216.0	201.1	74.5	52.1	74.5	7.4	14.9	14.9	7.4
McPherson	395.5	241.9	84.5	65.3	34.6	11.5	19.2	-	19.2	7.7
Meade	438.0	219.0	39.8	39.8	19.9	-	19.9	-	39.8	19.9
Miami	446.8	159.6	86.6	59.3	59.3	9.1	22.8	22.8	9.1	-
Mitchell	443.2	172.4	123.1	73.9	98.5	86.2	24.6	12.3	-	12.3
Montgomery	509.7	254.8	136.5	68.3	45.5	31.9	25.0	13.7	9.1	18.2
Morris	472.5	310.1	162.4	103.4	59.1	14.8	29.5	-	29.5	-
Morton	230.9	57.7	-	115.5	28.9	28.9	28.9	-	-	-
Nemaha	358.3	216.6	191.7	50.0	50.0	50.0	33.3	-	16.7	16.7
Neosho	416.6	328.9	153.5	38.4	87.7	43.8	32.9	16.4	21.9	16.4
Ness	362.6	149.3	106.6	21.3	85.3	-	21.3	-	21.3	-
Norton	591.2	206.2	68.7	96.2	123.7	41.2	13.7	-	13.7	13.7
Osage	427.7	266.5	126.2	77.1	42.1	126.2	14.0	7.0	28.0	14.0

Table 32 (cont.)
Death Rates for Ten Leading Causes of Death
By County of Residence
Kansas, 1978

County of Residence	Cause of Death									
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Influenza and Pneumonia	General Arteriosclerosis	Diabetes Mellitus	Suicide	Aortic Aneurysm	Infective and Parasitic Disease
Osborne	673.2	272.5	128.2	80.1	80.1	-	-	-	-	32.1
Ottawa	300.2	331.8	316.0	63.2	15.8	15.8	-	31.6	-	-
Pawnee	511.2	178.9	115.0	51.1	102.2	25.6	25.6	-	12.8	-
Phillips	437.0	249.7	49.9	25.0	87.4	-	49.9	-	-	25.0
Pottawatomie	500.8	166.9	139.1	13.9	27.8	-	13.9	20.9	-	7.0
Pratt	440.9	256.4	184.6	82.0	10.3	51.3	41.0	20.5	10.3	-
Rawlins	264.0	288.0	-	24.0	48.0	24.0	48.0	24.0	-	24.0
Reno	326.5	189.2	103.7	59.5	58.0	19.8	12.2	9.2	6.1	9.2
Republic	526.6	355.2	159.2	85.7	85.7	24.5	12.2	36.7	24.5	-
Rice	318.3	251.3	117.3	75.4	41.9	-	25.1	-	25.1	-
Riley	200.8	124.3	78.9	38.3	40.6	12.0	2.4	4.8	9.6	7.2
Rooks	486.6	135.2	162.2	40.6	81.1	13.5	27.0	27.0	27.0	13.5
Rush	625.4	302.6	80.7	40.3	60.5	40.3	40.3	20.2	-	-
Russell	542.3	202.0	63.8	74.4	53.2	21.3	31.9	42.5	-	21.3
Saline	310.7	175.4	124.7	33.8	33.8	19.0	10.6	8.5	10.6	-
Scott	166.1	120.8	75.5	30.2	-	15.1	30.2	15.1	-	-
Sedgwick	294.8	165.8	66.1	48.6	19.9	12.6	14.6	12.0	6.4	8.8
Seward	167.3	138.5	34.6	63.5	11.5	5.8	5.8	5.8	-	5.8
Shawnee	243.3	157.7	70.5	47.2	27.8	16.7	14.4	15.0	5.0	6.7
Sheridan	364.3	156.1	52.0	78.1	52.0	-	-	26.0	-	-
Sherman	282.9	184.5	36.9	61.5	49.2	-	24.6	36.9	-	12.3
Smith	653.1	139.9	155.5	31.1	186.6	-	31.1	-	15.5	-
Stafford	679.1	226.4	145.5	97.0	16.2	32.3	16.2	-	-	-
Stanton	160.3	40.1	120.2	-	-	-	-	-	-	-
Stevens	253.8	105.8	21.2	42.3	63.5	21.2	-	-	21.2	-
Sumner	451.4	197.0	155.9	49.2	32.8	32.8	20.5	8.2	8.2	12.3
Thomas	206.7	133.7	72.9	48.6	24.3	12.2	-	12.2	36.5	12.2
Trego	315.8	157.9	270.7	112.8	-	22.6	-	-	22.6	-
Wabaunsee	354.5	280.6	118.2	14.8	59.1	118.2	59.1	-	14.8	-
Wallace	134.4	134.4	-	134.4	44.8	89.6	44.8	-	-	-
Washington	541.1	209.8	154.6	22.1	99.4	33.1	22.1	-	22.1	55.2
Wichita	207.8	237.5	29.7	29.7	-	-	-	59.4	-	29.7
Wilson	439.2	257.5	106.0	37.9	83.3	37.9	22.7	-	-	7.6
Woodson	848.7	254.6	84.9	63.7	84.9	63.7	21.2	63.7	-	42.4
Wyandotte	334.2	180.9	78.9	59.0	25.9	13.8	15.4	9.9	9.4	12.7

Table 33
Marriages by Number and Rate
By County of Marriage
Kansas, 1974-1978

County of Marriage	Year									
	1974		1975		1976		1977		1978	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Kansas	24,491	10.6	23,767	10.3	23,559	10.1	23,673	10.1	23,975	10.2
Allen	156	10.2	177	11.5	177	11.2	157	10.0	152	9.5
Anderson	89	10.4	64	7.5	86	10.2	83	10.0	103	12.4
Atchison	197	9.4	178	8.4	168	8.1	175	8.1	153	7.4
Barber	69	9.9	67	9.7	70	10.2	85	12.8	65	9.8
Barton	365	10.6	330	9.7	355	9.8	372	10.0	376	9.9
Bourbon	174	10.8	162	10.3	170	10.7	169	10.1	157	9.5
Brown	127	9.7	122	9.3	123	9.5	127	9.8	118	9.3
Butler	454	11.7	380	9.6	378	9.2	402	9.5	427	9.7
Chase	49	13.7	50	14.1	56	15.9	37	10.9	26	7.8
Chautauqua	98	18.9	95	18.8	82	16.2	54	10.7	52	10.3
Cherokee	212	9.3	216	9.6	175	7.6	159	7.1	164	6.9
Cheyenne	51	12.6	50	12.5	26	6.3	42	10.5	46	11.6
Clark	35	12.4	22	7.8	26	9.1	22	8.0	23	8.5
Clay	72	7.2	94	9.3	106	10.5	88	8.8	111	11.1
Cloud	136	9.7	117	8.3	140	9.9	123	8.7	119	8.6
Coffey	74	8.9	46	5.6	80	10.2	76	9.5	88	10.9
Comanche	22	7.7	26	9.2	24	8.6	16	5.6	23	8.6
Cowley	411	11.8	371	10.7	353	10.0	342	9.7	360	10.2
Crawford	416	10.9	323	8.5	336	8.8	262	6.9	305	8.0
Decatur	70	13.8	81	16.1	77	15.4	62	12.6	70	14.3
Dickinson	214	8.9	189	8.6	222	10.0	271	12.0	242	10.7
Doniphan	125	12.5	126	12.5	114	11.4	83	8.3	115	11.8
Douglas	637	11.4	658	10.3	599	9.9	674	10.7	576	8.7
Edwards	60	13.0	44	9.8	57	12.4	55	12.3	38	8.7
Elk	28	6.8	24	5.9	31	7.6	39	9.7	31	7.7
Ellis	287	12.2	318	13.1	287	11.7	274	10.9	278	10.9
Ellsworth	66	9.2	71	9.8	72	10.0	58	8.0	74	10.4
Finney	257	11.2	251	10.8	254	10.1	289	11.0	255	8.9
Ford	274	11.2	283	11.6	281	11.4	261	10.4	274	11.0
Franklin	233	11.2	221	10.7	231	11.1	219	10.3	222	10.4
Geary	555	23.0	544	22.2	589	23.5	509	21.7	567	24.4
Gove	32	7.9	20	5.0	28	7.0	28	7.0	30	7.6
Graham	41	8.9	48	10.4	53	11.6	48	10.7	43	9.6
Grant	64	9.1	87	12.3	78	10.8	89	12.1	84	11.6
Gray	45	9.2	53	10.7	75	14.5	52	9.9	40	7.7
Greeley	19	8.8	20	9.0	24	10.6	25	11.4	23	11.0
Greenwood	98	10.6	88	9.6	86	9.9	84	9.2	76	8.5
Hamilton	41	13.5	35	11.4	27	8.6	26	8.3	24	7.8
Harper	97	11.8	117	14.4	70	8.7	53	6.6	70	8.7
Harvey	317	11.3	405	14.0	301	10.3	320	11.1	327	11.4
Haskell	50	12.4	24	5.9	32	7.7	48	11.4	33	8.0
Hodgeman	22	8.0	14	5.1	24	8.9	31	11.7	24	9.3
Jackson	104	.2	112	9.9	118	10.3	93	8.0	73	6.3
Jefferson	146	.4	68	5.3	122	9.2	143	10.3	148	10.5
Jewell	62	10.2	44	7.3	59	10.0	54	9.2	56	9.7
Johnson	1,924	8.0	1,739	7.2	1,940	8.0	2,125	8.5	2,187	8.5
Kearny	40	12.8	39	11.8	43	12.9	44	12.9	38	11.0
Kingman	105	10.4	76	7.6	74	7.4	119	11.8	99	10.1
Kiowa	52	12.8	36	8.9	50	12.0	43	10.1	33	7.9
Labette	222	8.7	164	6.5	189	7.7	186	7.4	196	7.8
Lane	28	9.4	26	9.1	23	8.1	29	10.2	24	8.6
Leavenworth	502	10.1	487	9.6	445	8.7	446	8.6	459	8.8
Lincoln	33	6.9	44	9.2	39	8.1	41	8.6	28	6.0
Linn	71	8.5	51	6.1	65	7.9	62	7.5	79	9.3
Logan	44	11.7	52	13.7	52	13.3	49	13.0	52	14.2

Table 33 (cont.)
Marriages by Number and Rate
By County of Marriage
Kansas, 1974-1978

County of Marriage	Year									
	1974		1975		1976		1977		1978	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Lyon	314	10.5	413	13.3	291	8.9	329	9.6	360	9.9
Marion	123	7.8	102	6.3	140	8.7	117	7.1	128	7.9
Marshall	191	13.7	158	11.4	140	10.0	157	11.6	127	9.5
McPherson	282	11.2	233	9.3	250	9.8	255	9.9	273	10.5
Meade	48	9.5	37	7.3	54	10.7	45	8.8	35	7.0
Miami	191	9.1	190	9.1	200	9.7	184	8.7	185	8.4
Mitchell	75	9.1	89	11.0	74	9.1	89	11.1	74	9.1
Montgomery	425	10.0	414	9.7	393	9.1	397	9.1	408	9.3
Morris	75	10.7	71	10.3	59	8.5	71	10.3	86	12.7
Morton	44	12.3	33	9.4	47	13.4	35	10.0	43	12.4
Nemaha	131	10.7	93	7.7	110	9.1	96	7.9	107	8.9
Neosho	214	11.6	183	10.3	191	10.8	181	10.1	144	7.9
Ness	54	11.6	37	8.0	36	7.9	41	8.5	52	11.1
Norton	87	11.8	83	11.5	76	10.7	69	9.7	74	10.2
Osage	123	9.1	92	6.9	147	10.8	143	10.4	138	9.7
Osborne	49	7.5	56	8.8	56	8.8	43	6.8	51	8.2
Ottawa	50	7.8	56	8.7	59	9.2	59	9.3	55	8.7
Pawnee	88	10.7	89	11.0	82	10.2	95	11.9	81	10.4
Phillips	91	10.9	111	13.4	73	8.8	85	10.2	81	10.1
Pottawatomie	116	9.1	88	6.8	95	7.1	132	9.6	110	7.7
Pratt	100	10.5	99	10.8	120	12.3	113	11.5	84	8.6
Rawlins	52	11.8	41	9.5	44	10.2	54	2.7	36	8.6
Reno	719	10.4	733	11.3	769	11.8	718	11.0	747	11.4
Republic	103	12.3	119	14.4	85	10.2	106	12.8	89	10.9
Rice	139	11.8	108	9.2	125	10.7	126	10.5	119	10.0
Riley	421	10.5	574	14.0	425	10.2	471	11.2	515	12.3
Rooks	97	13.5	50	6.8	84	11.2	71	9.8	86	11.6
Rush	55	10.6	33	6.2	51	9.8	47	9.2	37	7.5
Russell	87	9.2	85	8.8	111	11.5	84	8.9	90	9.6
Saline	567	12.2	597	12.5	529	10.6	572	11.8	552	11.7
Scott	55	8.8	78	12.1	68	11.4	64	9.2	81	12.2
Sedgwick	4,342	12.9	4,323	12.7	4,184	12.2	4,102	12.0	4,261	12.5
Seward	210	12.8	224	13.5	178	10.7	186	10.9	186	10.7
Shawnee	1,566	9.1	1,592	9.2	1,525	8.7	1,652	9.3	1,649	9.2
Sheridan	38	9.8	29	7.5	39	10.4	30	7.9	24	6.2
Sherman	116	14.4	92	10.9	98	11.6	83	9.7	78	9.6
Smith	74	11.0	81	12.3	78	12.0	63	9.6	65	10.1
Stafford	57	9.3	58	9.3	57	9.2	48	7.8	59	9.5
Stanton	36	14.5	33	13.1	25	9.4	21	7.7	29	11.6
Stevens	51	11.1	47	9.7	43	9.5	48	10.1	67	14.2
Sumner	262	10.9	210	8.7	245	10.2	300	12.4	314	12.9
Thomas	64	8.2	101	12.9	85	10.5	79	9.5	84	10.2
Trego	50	11.0	55	12.1	36	8.0	38	8.4	34	7.7
Wabaunsee	40	8.7	23	3.4	60	8.9	66	9.7	51	7.5
Wallace	22	9.8	21	9.4	28	12.5	22	9.7	32	14.3
Washington	74	7.9	56	6.0	64	7.0	84	9.3	83	9.2
Wichita	30	8.2	23	6.2	38	10.4	36	10.4	36	10.7
Wilson	120	8.7	102	7.2	128	9.9	123	9.9	100	7.6
Woodson	47	9.4	39	8.1	47	10.0	50	10.6	33	7.0
Wyandotte	1,934	10.2	1,944	10.3	1,855	9.9	1,770	9.8	1,886	10.4

Table 34
Divorces and Annulments by Number and Rate
By County of Action
Kansas, 1974-1978

County of Action	Year									
	1974		1975		1976		1977		1978	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Kansas	11,484	5.0	12,561	5.4	12,833	5.5	12,629	5.4	12,668	5.4
Allen	60	3.9	82	5.3	62	3.9	110	7.0	112	7.0
Anderson	21	2.4	24	2.8	16	1.9	22	2.6	20	2.4
Atchison	88	4.2	88	4.1	77	3.7	65	3.0	105	5.1
Barber	32	4.6	36	5.2	32	4.6	32	4.8	26	3.9
Barton	154	4.5	147	4.1	165	4.5	222	6.0	163	4.3
Bourbon	92	5.7	92	5.8	88	5.6	87	5.2	76	4.6
Brown	34	2.6	43	3.3	40	3.1	29	2.2	51	4.0
Butler	169	4.4	182	4.6	206	5.0	202	4.8	225	5.1
Chase	20	5.6	12	3.4	12	3.4	14	4.1	14	4.2
Chautauqua	24	4.6	22	4.4	20	4.0	22	4.4	24	4.7
Cherokee	111	4.9	123	5.5	116	5.0	101	4.5	131	5.5
Cheyenne	16	4.0	8	2.0	11	2.7	12	3.0	12	3.0
Clark	-	-	-	-	-	-	-	-	1	0.4
Clay	24	2.4	45	4.4	37	3.7	40	4.0	41	4.1
Cloud	47	3.4	45	3.2	39	2.8	51	3.6	42	3.0
Coffey	22	2.7	26	3.1	29	3.7	40	5.0	53	6.5
Comanche	7	2.5	16	5.6	10	3.6	5	1.8	7	2.6
Cowley	199	5.7	231	6.6	219	6.2	243	6.9	225	6.4
Crawford	173	4.5	193	5.1	194	5.1	167	4.4	175	4.6
Decatur	11	2.2	6	1.2	16	3.2	15	3.0	16	3.3
Dickinson	64	2.7	75	3.4	82	3.7	58	2.6	67	3.0
Doniphan	29	2.9	30	3.0	33	3.3	37	3.7	43	4.4
Douglas	296	5.3	343	5.4	364	6.0	389	6.2	366	5.6
Edwards	22	4.8	15	3.3	16	3.5	23	5.2	19	4.3
Elk	11	2.7	13	3.2	11	2.7	7	1.7	15	3.7
Ellis	59	2.5	68	2.8	86	3.5	93	3.7	111	4.3
Ellsworth	17	2.4	22	3.0	26	3.6	22	3.0	24	3.4
Finney	149	6.5	129	5.5	135	5.4	149	5.7	168	5.8
Ford	89	3.6	109	4.4	146	5.9	160	6.4	130	5.2
Franklin	103	5.0	110	5.3	106	5.1	97	4.6	143	6.7
Geary	275	11.4	322	13.2	390	15.6	373	15.9	307	13.2
Gove	4	1.0	5	1.3	7	1.8	7	1.8	9	2.3
Graham	21	4.6	18	3.9	16	3.5	13	2.9	11	2.5
Grant	28	4.0	34	4.8	45	6.3	36	4.9	35	4.8
Gray	11	2.3	16	3.2	15	2.9	11	2.1	12	2.3
Greeley	8	3.7	8	3.6	7	3.1	8	3.6	8	3.8
Greenwood	45	4.9	55	6.0	44	4.8	36	4.0	54	6.1
Hamilton	11	3.6	16	5.2	15	4.8	20	6.4	13	4.2
Harper	15	1.8	33	4.1	32	4.0	20	2.5	32	4.0
Harvey	121	4.3	138	4.8	144	4.9	149	5.2	141	4.9
Haskell	7	1.7	14	3.4	25	6.0	10	2.4	14	3.4
Hodgeman	1	0.4	5	1.8	1	0.4	4	1.5	3	1.2
Jackson	36	3.2	30	2.7	42	3.7	36	3.1	61	5.3
Jefferson	48	3.7	48	3.7	35	2.6	37	2.7	48	3.4
Jewell	8	1.3	16	2.7	17	2.9	16	2.7	18	3.1
Johnson	1,154	4.8	1,156	4.8	1,274	5.2	1,103	4.4	1,075	4.2
Kearny	5	1.6	10	3.0	17	5.1	13	3.8	10	2.9
Kingman	37	3.7	30	3.0	46	4.6	38	3.8	49	5.0
Kiowa	7	1.7	9	2.2	10	2.4	10	2.3	10	2.4
Labette	128	5.0	126	5.0	122	5.0	161	6.4	141	5.6
Lane	6	2.0	5	1.8	7	2.5	14	4.9	14	5.0
Leavenworth	249	5.0	294	5.8	330	6.4	364	7.0	355	6.8
Lincoln	7	1.5	16	3.3	17	3.5	18	3.8	15	3.2
Linn	29	3.5	28	3.3	34	4.1	26	3.1	36	4.2
Logan	6	1.6	10	2.6	5	1.3	13	3.4	8	2.2

Table 34 (cont.)
Divorces and Annulments by Number and Rate
By County of Action
Kansas, 1974-1978

County of Action	Year									
	1974		1975		1976		1977		1978	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Lyon	144	4.8	155	5.0	155	4.7	160	4.7	166	4.6
Marion	24	1.5	40	2.5	32	2.0	32	1.9	39	2.4
Marshall	43	3.1	27	1.9	39	2.8	25	1.8	41	3.1
McPherson	98	3.9	84	3.3	111	4.4	77	3.0	102	3.9
Meade	5	1.0	9	1.8	18	3.6	24	4.7	17	3.4
Miami	110	5.2	110	5.3	94	4.6	112	5.3	128	5.8
Mitchell	26	3.2	29	3.6	29	3.6	20	2.5	27	3.3
Montgomery	238	5.6	263	6.2	231	5.4	207	4.8	249	5.7
Morris	17	2.4	36	5.2	21	3.0	26	3.8	21	3.1
Morton	13	3.6	15	4.3	23	6.6	11	3.2	10	2.9
Nemaha	12	1.0	20	1.7	16	1.3	24	2.0	22	1.8
Neosho	70	3.8	68	3.8	76	4.3	88	4.9	73	4.0
Ness	12	2.6	11	2.4	6	1.3	10	2.1	6	1.3
Norton	26	3.5	21	2.9	12	1.7	16	2.3	24	3.3
Osage	60	4.4	38	2.8	62	4.6	53	3.8	32	2.2
Osborne	19	2.9	20	3.1	22	3.5	10	1.6	29	4.6
Ottawa	21	3.3	21	3.3	21	3.3	15	2.4	28	4.4
Pawnee	41	5.0	30	3.7	30	3.7	34	4.3	37	4.7
Phillips	18	2.2	18	2.2	29	3.5	18	2.2	34	4.2
Pottawatomie	44	3.4	48	3.7	56	4.2	45	3.3	60	4.2
Pratt	29	3.0	47	5.1	51	5.2	72	7.4	46	4.7
Rawlins	18	4.1	6	1.4	9	2.1	17	4.0	12	2.9
Reno	399	5.7	402	6.2	360	5.5	465	7.1	491	7.5
Republic	16	1.9	17	2.1	20	2.4	19	2.3	24	2.9
Rice	37	3.1	44	3.8	42	3.6	44	3.7	32	2.7
Riley	180	4.5	196	4.8	165	3.9	203	4.8	236	5.6
Rooks	34	4.7	30	4.1	20	2.7	23	3.2	16	2.2
Rush	4	0.8	9	1.7	10	1.9	6	1.2	12	2.4
Russell	29	3.1	48	4.9	35	3.6	38	4.0	39	4.1
Saline	268	5.8	278	5.8	281	5.6	326	6.7	339	7.2
Scott	22	3.5	19	2.9	29	4.3	19	2.7	26	3.9
Sedgwick	2,425	7.2	2,865	8.4	3,007	8.8	2,869	8.4	3,007	8.8
Seward	111	6.8	100	6.0	116	7.0	147	8.6	105	6.1
Shawnee	1,028	6.0	1,206	7.0	1,069	6.1	975	5.5	803	4.5
Sheridan	7	1.8	9	2.3	10	2.7	3	0.8	5	1.3
Sherman	34	4.2	46	5.5	38	4.5	32	3.8	40	4.9
Smith	16	2.4	8	1.2	14	2.2	17	2.6	19	3.0
Stafford	26	4.2	23	3.7	28	4.5	21	3.4	23	3.7
Stanton	5	2.0	14	5.5	13	4.9	12	4.4	13	5.2
Stevens	9	2.0	26	5.3	22	4.9	23	4.8	23	4.9
Sumner	90	3.7	91	3.8	102	4.3	111	4.6	129	5.3
Thomas	28	3.6	38	4.9	38	4.7	31	3.7	36	4.4
Trego	11	2.4	7	1.5	6	1.3	20	4.4	15	3.4
Wabaunsee	17	2.5	11	1.6	17	2.5	17	2.5	11	1.6
Wallace	-	-	4	1.8	6	2.7	6	2.6	9	4.0
Washington	18	1.9	21	2.3	17	1.9	20	2.2	23	2.5
Wichita	5	1.4	14	3.8	5	1.4	17	4.9	14	4.2
Wilson	42	3.0	66	4.6	65	5.0	63	5.1	72	5.5
Woodson	14	2.8	16	3.3	24	5.1	8	1.7	17	3.6
Wyandotte	1,111	5.9	1,060	5.6	1,040	5.6	948	5.2	802	4.4

Table 35
Population, Live Births and Total Deaths
By City and County of Residence
Kansas, 1977 and 1978

City of Residence and County	1977					1978				
	Population	Live Births		Total Deaths		Population	Live Births		Total Deaths	
		Number	Rate	Number	Rate		Number	Rate	Number	Rate
Allen										
Iola	6,708	135	20.1	91	13.6	6,968	104	14.9	112	16.1
Anderson										
Garnett	3,001	34	11.3	66	22.0	3,145	47	14.9	48	15.3
Atchison										
Atchison	12,968	166	12.8	153	11.8	12,443	180	14.5	175	14.1
Barber										
Medicine Lodge	2,481	31	12.5	32	12.9	2,464	30	12.2	37	15.0
Barton										
Great Bend	20,464	270	13.2	156	7.6	21,046	291	13.8	172	8.2
Hoisington	4,537	75	16.5	60	13.2	4,558	76	16.7	33	7.2
Bourbon										
Fort Scott	9,636	134	13.9	146	15.2	9,511	119	12.5	152	16.0
Brown										
Hiawatha	3,825	39	10.2	61	15.9	3,818	48	12.6	43	11.3
Butler										
Augusta	7,005	130	18.6	57	8.1	7,344	121	16.5	60	8.2
El Dorado	12,204	154	12.6	121	9.9	12,529	210	16.8	121	9.7
Cherokee										
Galena	3,903	52	13.3	54	13.8	3,731	52	13.9	49	13.1
Baxter Springs	5,072	80	15.8	64	12.6	5,203	65	12.5	61	11.7
Columbus	3,649	67	18.4	54	14.8	3,597	40	11.1	74	20.6
Clay										
Clay Center	5,011	60	12.0	87	17.4	5,036	71	14.1	75	14.9
Cloud										
Concordia	7,879	112	14.2	92	11.7	7,735	89	11.5	108	14.0
Cowley										
Arkansas City	13,657	207	15.2	153	11.2	13,418	206	15.4	156	11.6
Winfield	10,317	156	15.1	124	12.0	10,291	153	14.9	128	12.4
Crawford										
Pittsburg	19,875	253	12.7	245	12.3	20,058	229	11.4	243	12.1
Girard	2,802	47	16.8	49	17.5	2,809	35	12.5	42	15.0
Dickinson										
Abilene	7,312	92	12.6	95	13.0	7,378	114	15.5	120	16.3
Herington	3,596	44	12.2	51	14.2	3,686	35	9.5	28	7.6
Douglas										
Lawrence	48,184	626	13.0	255	5.3	50,814	679	13.4	249	4.9
Baldwin City	2,994	24	8.0	21	7.0	2,616	25	9.6	20	7.6
Ellis										
Hays	16,274	305	18.7	87	5.3	16,648	340	20.4	107	6.4
Finney										
Garden City	19,252	352	18.3	133	6.9	20,729	356	17.2	140	6.8
Ford										
Dodge City	17,805	325	18.3	145	8.1	17,892	320	17.9	126	7.0
Franklin										
Ottawa	10,750	177	16.5	152	14.1	10,693	147	13.7	136	12.7
Geary										
Junction City	18,972	749	39.5	157	8.3	18,657	765	41.0	170	9.1
Grant										
Ulysses	4,584	104	22.7	19	4.1	4,556	110	24.1	33	7.2
Greenwood										
Eureka	3,476	35	10.1	56	16.1	3,437	39	11.3	77	22.4
Harper										
Anthony	2,794	30	10.7	42	15.0	2,765	32	11.6	22	8.0
Harvey										
Newton	15,975	244	15.3	158	9.9	15,838	260	16.4	171	10.8
Jackson										
Holton	3,238	55	17.0	60	18.5	3,207	33	10.3	71	22.1
Johnson										
Fairway	4,881	35	7.2	40	8.2	4,745	34	7.2	40	8.4
Olathe	25,410	603	23.7	140	5.5	27,932	644	23.1	132	4.7
Leawood	12,635	89	7.0	79	6.3	13,074	91	7.0	80	6.1
Merriam	10,566	151	14.3	57	5.4	10,318	137	13.3	45	4.4

Table 35 (cont.)
Population, Live Births and Total Deaths
By City and County of Residence
Kansas, 1977 and 1978

City of Residence and County	1977					1978				
	Population	Live Births		Total Deaths		Population	Live Births		Total Deaths	
		Number	Rate	Number	Rate		Number	Rate	Number	Rate
Johnson (cont.)										
Mission	9,195	112	12.2	86	9.4	8,912	101	11.3	66	7.4
Mission Hills	4,251	14	3.3	30	7.1	4,223	7	1.7	30	7.1
Prairie Village	27,088	306	11.3	152	5.6	26,343	312	11.8	167	6.3
Roeland Park	8,663	94	10.9	51	5.9	8,478	84	9.9	47	5.5
Shawnee	26,023	401	15.4	115	4.4	27,405	431	15.7	125	4.6
Overland Park	82,802	1,063	12.8	335	4.0	82,400	958	11.6	357	4.3
Lenexa	14,622	270	18.5	70	4.8	16,212	300	18.5	77	4.7
Kingman										
Kingman	3,940	42	10.7	44	11.2	3,737	39	10.4	50	13.4
Labette										
Parsons	12,631	205	16.2	172	13.6	12,614	196	15.5	175	13.9
Leavenworth										
Leavenworth	31,412	359	11.4	282	9.0	31,677	510	16.1	297	9.4
Lansing	4,208	64	15.2	27	6.4	4,233	79	18.7	32	7.6
Lyon										
Emporia	24,905	429	17.2	214	8.6	26,174	429	16.4	203	7.8
Marion										
Hillsboro	3,063	24	7.8	39	12.7	2,919	44	15.1	36	12.3
Marshall										
Marysville	3,698	59	16.0	54	14.6	3,616	56	15.5	57	15.8
McPherson										
Lindsborg	2,360	38	16.1	45	19.1	2,412	29	12.0	34	14.1
McPherson	11,479	174	15.2	107	9.3	11,559	174	15.1	124	10.7
Miami										
Osawatomie	4,323	68	15.7	57	13.2	4,367	58	13.3	62	14.2
Paola	4,783	72	15.1	64	13.4	4,815	71	14.7	51	10.6
Mitchell										
Beloit	4,127	64	15.5	77	18.7	4,205	50	11.9	57	13.6
Montgomery										
Independence	11,119	191	17.2	160	14.4	11,082	172	15.5	152	13.7
Coffeyville	15,712	234	14.9	202	12.9	15,790	228	14.4	217	13.7
Cherryvale	3,048	49	16.1	44	14.4	3,019	41	13.6	59	19.5
Neosho										
Chanute	10,089	162	16.1	145	14.4	10,069	164	16.3	157	15.6
Norton										
Norton	3,612	44	12.2	44	12.2	3,625	38	10.5	50	13.8
Osage										
Osage City	2,496	30	12.0	27	10.8	2,619	23	8.8	36	13.7
Pawnee										
Larned	4,892	87	17.8	68	13.9	4,849	70	14.4	68	14.0
Phillips										
Phillipsburg	3,614	48	13.3	46	12.7	3,399	37	10.9	33	9.7
Pottawatomie										
Wamego	2,910	50	17.2	31	10.7	2,994	61	20.4	56	18.7
Manhattan (Part)	180	3	16.7	-	-	166	1	6.0	2	12.0
Pratt										
Pratt	6,551	100	15.3	70	10.7	6,543	109	16.7	98	15.0
Reno										
Hutchinson	40,025	648	16.2	420	10.5	39,873	647	16.2	400	10.0
Republic										
Belleville	2,929	32	10.9	62	21.2	2,867	24	8.4	47	16.4
Rice										
Lyons	4,414	60	13.6	58	13.1	4,395	50	11.4	49	11.1
Riley										
Manhattan (Part)	30,180	644	21.3	171	5.7	30,139	627	20.8	203	6.7
Rooks										
Plainville	2,467	52	21.1	29	11.8	2,503	44	17.6	30	12.0
Russell										
Russell	5,548	67	12.1	69	12.4	5,567	80	14.4	71	12.8

Table 35 (cont.)
Population, Live Births and Total Deaths
By City and County of Residence

City of Residence and County	1977					1978				
	Population	Live Births		Total Deaths		Population	Live Births		Total Deaths	
		Number	Rate	Number	Rate		Number	Rate	Number	Rate
Saline										
Salina	40,532	650	16.0	332	8.2	40,512	662	16.3	360	8.9
Scott										
Scott City	5,079	80	15.8	48	9.5	4,762	75	15.7	31	6.5
Sedgwick										
Wichita	263,449	4,990	18.9	2,348	8.9	261,862	4,899	18.7	2,365	9.0
Derby	8,274	109	13.2	27	3.3	8,667	121	14.0	41	4.7
Haysville	7,214	122	16.9	26	3.6	7,368	103	14.0	22	3.0
Mulvane (Part)	2,624	36	13.7	12	4.6	2,788	40	14.3	15	5.4
Valley Center	3,155	50	15.8	17	5.4	3,281	47	14.3	22	6.7
Seward										
Liberal	15,272	289	18.9	114	7.5	15,546	302	19.4	90	5.8
Shawnee										
Topeka	142,530	1,896	13.3	1,248	8.8	144,221	1,892	13.1	1,217	8.4
Sherman										
Goodland	6,063	100	16.5	46	7.6	5,733	98	17.1	52	9.1
Stevens										
Hugoton	3,146	49	15.6	31	9.9	3,114	60	19.3	25	8.0
Sumner										
Mulvane (Part)	1,144	23	20.1	4	3.5	1,108	18	16.2	17	15.3
Wellington	8,197	135	16.5	104	12.7	8,395	119	14.2	111	13.2
Thomas										
Colby	5,222	104	19.9	52	10.0	5,137	89	17.3	41	8.0
Wilson										
Fredonia	3,385	40	11.8	51	15.1	3,424	39	11.4	47	13.7
Neodesha	3,537	54	15.3	41	11.6	4,003	50	12.5	59	14.7
Wyandotte										
Kansas City	170,330	2,922	17.2	1,586	9.3	170,708	2,905	17.0	1,635	9.6
Bonner Springs	6,396	97	15.2	47	7.3	6,423	100	15.6	47	7.3

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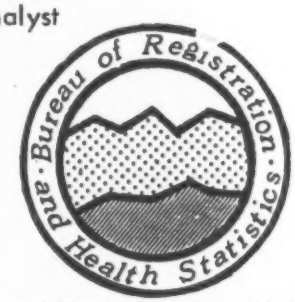

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